## **Analytical Report for**

# ACE Environmental Certificate of Analysis No.: 16042205

Project Manager: Rick Rasmussen
Project Name: Walter Reed
Project Location: Washington, DC



May 2, 2016
Phase Separation Science, Inc.
6630 Baltimore National Pike
Baltimore, MD 21228
Phone: (410) 747-8770

Fax: (410) 788-8723

## PHASE SEPARATION SCIENCE, INC.



May 2, 2016

Rick Rasmussen ACE Environmental 3512 Fairfield Rd. Baltimore, MD 21226

Reference: PSS Work Order(s) No: 16042205

Project Name: Walter Reed

Project Location: Washington, DC

#### Dear Rick Rasmussen:

This report includes the analytical results from the analyses performed on the samples received under the project name referenced above and identified with the Phase Separation Science (PSS) Work Order(s) numbered 16042205.

All work reported herein has been performed in accordance with current NELAP standards, referenced methodologies, PSS Standard Operating Procedures and the PSS Quality Assurance Manual unless otherwise noted in the Case Narrative Summary. PSS is limited in liability to the actual cost of the sample analysis done.

PSS reserves the right to return any unused samples, extracts or related solutions. Otherwise, the samples are scheduled for disposal, without any further notice, on May 27, 2016, with the exception of air canisters which are cleaned immediately following analysis. This includes any samples that were received with a request to be held but lacked a specific hold period. It is your responsibility to provide a written request defining a specific disposal date if additional storage is required. Upon receipt, the request will be acknowledged by PSS, thus extending the storage period.

This report shall not be reproduced except in full, without the written approval of an authorized PSS representative. A copy of this report will be retained by PSS for at least 5 years, after which time it will be disposed of without further notice, unless prior arrangements have been made.

We thank you for selecting Phase Separation Science, Inc. to serve your analytical needs. If you have any questions concerning this report, do not hesitate to contact us at 410-747-8770 or info@phaseonline.com.

Sincerely,

**Dan Prucnal** 

Laboratory Manager



#### Sample Summary

#### Client Name: ACE Environmental Project Name: Walter Reed

Work Order Number(s):

16042205

The following samples were received under chain of custody by Phase Separation Science (PSS) on 04/22/2016 at 08:55 am

| 16042205-002   CV-2   | Lab Sample Id | Sample Id | Matrix Date/Time Collected   |
|---|---------------|-----------|--|
| 16042205-003  | 16042205-001  | CV-1      | WIPES 04/20/16 11:05   |
| 16042205-004  |               |           | WIPES 04/20/16 11:05   |
| 16042205-005   CV-5   WIPES   04/20/16 11-05     16042205-006   CV-6   WIPES   04/20/16 11-05     16042205-007   CV-7   WIPES   04/20/16 11-05     16042205-009   CV-9   WIPES   04/20/16 11-05     16042205-009   CV-9   WIPES   04/20/16 11-05     16042205-010   CV-10   WIPES   04/20/16 11-05     16042205-010   CV-10   WIPES   04/20/16 11-05     16042205-011   CV-11   WIPES   04/20/16 11-05     16042205-012   CV-12   WIPES   04/20/16 11-05     16042205-013   CV-13   WIPES   04/20/16 11-05     16042205-014   CV-14   WIPES   04/20/16 11-05     16042205-015   CV-15   WIPES   04/20/16 14-00     16042205-015   CV-16   WIPES   04/20/16 14-00     16042205-016   CV-16   WIPES   04/20/16 14-00     16042205-017   CV-17   WIPES   04/20/16 14-00     16042205-018   CV-18   WIPES   04/20/16 14-00     16042205-019   CV-19   WIPES   04/20/16 14-00     16042205-010   CV-20   WIPES   04/20/16 14-00     16042205-020   CV-20   WIPES   04/20/16 14-00     16042205-021   CV-21   WIPES   04/20/16 14-00     16042205-021   CV-21   WIPES   04/20/16 14-00     16042205-021   CV-22   WIPES   04/20/16 14-00     16042205-023   CV-23   WIPES   04/20/16 14-00     16042205-024   CV-24   WIPES   04/20/16 14-00     16042205-025   CV-25   WIPES   04/20/16 14-00     16042205-026   CV-26   WIPES   04/20/16 14-00     16042205-027   CV-27   WIPES   04/20/16 14-00     16042205-028   CV-28   WIPES   04/20/16 14-00     16042205-029   CV-29   WIPES   04/20/16 04-00     16042205-030   CV-30   WIPES   04/20/16 04-00     16042205-031   CV-31   WIPES   04/20/16 09-25     16042205-032   CV-32   WIPES   04/20/16 09-25     16042205-033   CV-33   WIPES   04/20/16 09-25     16042205-034   CV-34   WIPES   04/20/16 09-25     16042205-035   CV-35   WIPES   04/20/16 09-25     16042205-036   CV-36   WIPES   04/20/16 09-25     16042205-037   CV-37   WIPES   04/20/16 09-25     16042205-038   CV-38   WIPES   04/20/16 09-25     16042205-039   CV-35   WIPES   04/20/16 09-25     16042205-039   CV-36   WIPES   04/20/16 09-25     16042205-039   CV-30   WIPES   04/20/16 09-25  |               |           | WIPES 04/20/16 11:05   |
| 16042205-006   CV-6   WiPES   04/20/16 11:05     16042205-007   CV-7   WiPES   04/20/16 11:05     16042205-009   CV-8   WiPES   04/20/16 11:05     16042205-009   CV-9   WiPES   04/20/16 11:05     16042205-010   CV-10   WiPES   04/20/16 11:05     16042205-011   CV-11   WiPES   04/20/16 11:05     16042205-012   CV-12   WiPES   04/20/16 11:05     16042205-013   CV-13   WiPES   04/20/16 11:05     16042205-013   CV-14   WiPES   04/20/16 11:05     16042205-014   CV-14   WiPES   04/20/16 14:00     16042205-015   CV-15   WiPES   04/20/16 14:00     16042205-016   CV-16   WiPES   04/20/16 14:00     16042205-016   CV-16   WiPES   04/20/16 14:00     16042205-017   CV-17   WiPES   04/20/16 14:00     16042205-018   CV-18   WiPES   04/20/16 14:00     16042205-019   CV-19   WiPES   04/20/16 14:00     16042205-019   CV-19   WiPES   04/20/16 14:00     16042205-020   CV-20   WiPES   04/20/16 14:00     16042205-021   CV-21   WiPES   04/20/16 14:00     16042205-021   CV-22   WiPES   04/20/16 14:00     16042205-021   CV-22   WiPES   04/20/16 14:00     16042205-022   CV-22   WiPES   04/20/16 14:00     16042205-023   CV-23   WiPES   04/20/16 14:00     16042205-024   CV-24   WiPES   04/20/16 14:00     16042205-025   CV-25   WiPES   04/20/16 14:00     16042205-026   CV-26   WiPES   04/20/16 14:00     16042205-026   CV-26   WiPES   04/20/16 14:00     16042205-026   CV-26   WiPES   04/20/16 14:00     16042205-027   CV-27   WiPES   04/21/16 09:25     16042205-028   CV-28   WiPES   04/21/16 09:25     16042205-030   CV-30   WiPES   04/21/16 09:25     16042205-031   CV-31   WiPES   04/21/16 09:25     16042205-032   CV-33   WiPES   04/21/16 09:25     16042205-033   CV-33   WiPES   04/21/16 09:25     16042205-034   CV-34   WiPES   04/21/16 09:25     16042205-035   CV-35   WiPES   04/21/16 09:25     16042205-036   CV-36   WiPES   04/21/16 09:25     16042205-036   CV-36   WiPES   04/21/16 09:25     16042205-039   CV-37   WiPES   04/21/16 09:25     16042205-039   CV-39   WiPES   04/21/16 12:00     16042205-039   CV-39   WiPES   04/21/16 12:00 | 16042205-004  | CV-4      | WIPES 04/20/16 11:05   |
| 16042205-007   CV-7   | 16042205-005  | CV-5      | WIPES 04/20/16 11:05   |
| 16042205-008         CV-8         WIPES         04/20/16 11:05           16042205-009         CV-9         WIPES         04/20/16 11:05           16042205-010         CV-10         WIPES         04/20/16 11:05           16042205-011         CV-11         WIPES         04/20/16 11:05           16042205-012         CV-12         WIPES         04/20/16 11:05           16042205-013         CV-13         WIPES         04/20/16 14:00           16042205-014         CV-14         WIPES         04/20/16 14:00           16042205-015         CV-15         WIPES         04/20/16 14:00           16042205-016         CV-16         WIPES         04/20/16 14:00           16042205-017         CV-17         WIPES         04/20/16 14:00           16042205-018         CV-18         WIPES         04/20/16 14:00           16042205-019         CV-19         WIPES         04/20/16 14:00           16042205-012         CV-21         WIPES         04/20/16 14:00           16042205-021         CV-21         WIPES         04/20/16 14:00           16042205-022         CV-22         WIPES         04/20/16 14:00           16042205-023         CV-23         WIPES         04/20/16 14:00   | 16042205-006  | CV-6      | WIPES 04/20/16 11:05   |
| 16042205-009         CV-9         WIPES         04/20/16 11:05           16042205-010         CV-10         WIPES         04/20/16 11:05           16042205-011         CV-11         WIPES         04/20/16 11:05           16042205-013         CV-12         WIPES         04/20/16 11:05           16042205-013         CV-13         WIPES         04/20/16 14:00           16042205-014         CV-14         WIPES         04/20/16 14:00           16042205-015         CV-15         WIPES         04/20/16 14:00           16042205-016         CV-16         WIPES         04/20/16 14:00           16042205-017         CV-17         WIPES         04/20/16 14:00           16042205-018         CV-18         WIPES         04/20/16 14:00           16042205-019         CV-19         WIPES         04/20/16 14:00           16042205-020         CV-20         WIPES         04/20/16 14:00           16042205-021         CV-21         WIPES         04/20/16 14:00           16042205-022         CV-22         WIPES         04/20/16 14:00           16042205-023         CV-23         WIPES         04/20/16 14:00           16042205-024         CV-24         WIPES         04/20/16 14:00  | 16042205-007  | CV-7      | WIPES 04/20/16 11:05   |
| 16042205-010         CV-10         WIPES         04/20/16 11:05           16042205-011         CV-11         WIPES         04/20/16 11:05           16042205-012         CV-12         WIPES         04/20/16 11:05           16042205-013         CV-13         WIPES         04/20/16 14:00           16042205-014         CV-14         WIPES         04/20/16 14:00           16042205-015         CV-15         WIPES         04/20/16 14:00           16042205-016         CV-16         WIPES         04/20/16 14:00           16042205-017         CV-17         WIPES         04/20/16 14:00           16042205-019         CV-18         WIPES         04/20/16 14:00           16042205-019         CV-19         WIPES         04/20/16 14:00           16042205-019         CV-19         WIPES         04/20/16 14:00           16042205-021         CV-20         WIPES         04/20/16 14:00           16042205-022         CV-22         WIPES         04/20/16 14:00           16042205-023         CV-23         WIPES         04/20/16 14:00           16042205-024         CV-24         WIPES         04/20/16 14:00           16042205-025         CV-25         WIPES         04/20/16 09:25   | 16042205-008  | CV-8      | WIPES 04/20/16 11:05   |
| 16042205-011   CV-11   WIPES  | 16042205-009  | CV-9      | WIPES 04/20/16 11:05   |
| 16042205-012 CV-12 WIPES 04/20/16 11:05 16042205-013 CV-13 WIPES 04/20/16 14:00 16042205-014 CV-14 WIPES 04/20/16 14:00 16042205-015 CV-15 WIPES 04/20/16 14:00 16042205-016 CV-16 WIPES 04/20/16 14:00 16042205-017 CV-17 WIPES 04/20/16 14:00 16042205-018 CV-18 WIPES 04/20/16 14:00 16042205-019 CV-19 WIPES 04/20/16 14:00 16042205-019 CV-19 WIPES 04/20/16 14:00 16042205-010 CV-20 WIPES 04/20/16 14:00 16042205-020 CV-20 WIPES 04/20/16 14:00 16042205-021 CV-21 WIPES 04/20/16 14:00 16042205-022 CV-22 WIPES 04/20/16 14:00 16042205-023 CV-23 WIPES 04/20/16 14:00 16042205-024 CV-24 WIPES 04/20/16 14:00 16042205-025 CV-25 WIPES 04/20/16 14:00 16042205-026 CV-26 WIPES 04/20/16 14:00 16042205-026 CV-26 WIPES 04/20/16 14:00 16042205-027 CV-27 WIPES 04/20/16 14:00 16042205-028 CV-28 WIPES 04/20/16 14:00 16042205-029 CV-29 WIPES 04/21/16 09:25 16042205-029 CV-29 WIPES 04/21/16 09:25 16042205-029 CV-29 WIPES 04/21/16 09:25 16042205-030 CV-33 WIPES 04/21/16 09:25 16042205-031 CV-31 WIPES 04/21/16 09:25 16042205-032 CV-32 WIPES 04/21/16 09:25 16042205-033 CV-33 WIPES 04/21/16 09:25 16042205-034 CV-34 WIPES 04/21/16 09:25 16042205-035 CV-35 WIPES 04/21/16 09:25 16042205-036 CV-36 WIPES 04/21/16 09:25 16042205-037 CV-37 WIPES 04/21/16 09:25 16042205-038 CV-38 WIPES 04/21/16 09:25 16042205-039 CV-39 WIPES 04/21/16 09:25 16042205-034 CV-34 WIPES 04/21/16 09:25 16042205-035 CV-35 WIPES 04/21/16 09:25 16042205-036 CV-36 WIPES 04/21/16 09:25 16042205-037 CV-37 WIPES 04/21/16 09:25 16042205-038 CV-38 WIPES 04/21/16 09:25 16042205-039 CV-39 WIPES 04/21/16 09:25 16042205-039 CV-39 WIPES 04/21/16 09:25 16042205-039 CV-39 WIPES 04/21/16 12:00 16042205-040 CV-40 WIPES 04/21/16 12:00 16042205-040 CV-40 WIPES 04/21/16 12:00   | 16042205-010  | CV-10     | WIPES 04/20/16 11:05   |
| 16042205-013  | 16042205-011  | CV-11     | WIPES 04/20/16 11:05   |
| 16042205-014 CV-14 WIPES 04/20/16 14:00 16042205-015 CV-15 WIPES 04/20/16 14:00 16042205-016 CV-16 WIPES 04/20/16 14:00 16042205-017 CV-17 WIPES 04/20/16 14:00 16042205-018 CV-18 WIPES 04/20/16 14:00 16042205-019 CV-19 WIPES 04/20/16 14:00 16042205-020 CV-20 WIPES 04/20/16 14:00 16042205-021 CV-21 WIPES 04/20/16 14:00 16042205-022 CV-22 WIPES 04/20/16 14:00 16042205-023 CV-23 WIPES 04/20/16 14:00 16042205-024 CV-24 WIPES 04/20/16 14:00 16042205-025 CV-25 WIPES 04/20/16 14:00 16042205-026 CV-26 WIPES 04/20/16 14:00 16042205-027 CV-27 WIPES 04/20/16 14:00 16042205-028 CV-28 WIPES 04/20/16 09:25 16042205-029 CV-29 WIPES 04/21/16 09:25 16042205-029 CV-29 WIPES 04/21/16 09:25 16042205-030 CV-30 WIPES 04/21/16 09:25 16042205-031 CV-31 WIPES 04/21/16 09:25 16042205-032 CV-32 WIPES 04/21/16 09:25 16042205-033 CV-33 WIPES 04/21/16 09:25 16042205-034 CV-34 WIPES 04/21/16 09:25 16042205-035 CV-35 WIPES 04/21/16 09:25 16042205-036 CV-36 WIPES 04/21/16 09:25 16042205-037 CV-37 WIPES 04/21/16 09:25 16042205-038 CV-38 WIPES 04/21/16 09:25 16042205-039 CV-39 WIPES 04/21/16 09:25 16042205-039 CV-30 WIPES 04/21/16 09:25 16042205-039 CV-30 WIPES 04/21/16 09:25 16042205-039 CV-39 WIPES 04/21/16 12:00 16042205-039 CV-39 WIPES 04/21/16 12:00 16042205-040 CV-40 WIPES 04/21/16 12:00 16042205-040 CV-40 WIPES 04/21/16 12:00   | 16042205-012  | CV-12     | WIPES 04/20/16 11:05   |
| 16042205-015 CV-15 WIPES 04/20/16 14:00 16042205-016 CV-16 WIPES 04/20/16 14:00 16042205-017 CV-17 WIPES 04/20/16 14:00 16042205-018 CV-18 WIPES 04/20/16 14:00 16042205-019 CV-19 WIPES 04/20/16 14:00 16042205-020 CV-20 WIPES 04/20/16 14:00 16042205-021 CV-21 WIPES 04/20/16 14:00 16042205-022 CV-22 WIPES 04/20/16 14:00 16042205-023 CV-23 WIPES 04/20/16 14:00 16042205-024 CV-24 WIPES 04/20/16 14:00 16042205-025 CV-25 WIPES 04/20/16 14:00 16042205-026 CV-26 WIPES 04/20/16 14:00 16042205-027 CV-27 WIPES 04/20/16 09:25 16042205-028 CV-28 WIPES 04/21/16 09:25 16042205-029 CV-29 WIPES 04/21/16 09:25 16042205-020 CV-30 WIPES 04/21/16 09:25 16042205-030 CV-33 WIPES 04/21/16 09:25 16042205-031 CV-31 WIPES 04/21/16 09:25 16042205-032 CV-32 WIPES 04/21/16 09:25 16042205-033 CV-33 WIPES 04/21/16 09:25 16042205-034 CV-34 WIPES 04/21/16 09:25 16042205-035 CV-35 WIPES 04/21/16 09:25 16042205-036 CV-36 WIPES 04/21/16 09:25 16042205-037 CV-37 WIPES 04/21/16 09:25 16042205-038 CV-38 WIPES 04/21/16 09:25 16042205-039 CV-39 WIPES 04/21/16 12:00 16042205-040 CV-40 WIPES 04/21/16 12:00 16042205-040 CV-41 WIPES 04/21/16 12:00   | 16042205-013  | CV-13     | WIPES 04/20/16 14:00   |
| 16042205-016         CV-16         WIPES         04/20/16 14:00           16042205-017         CV-17         WIPES         04/20/16 14:00           16042205-018         CV-18         WIPES         04/20/16 14:00           16042205-019         CV-19         WIPES         04/20/16 14:00           16042205-020         CV-20         WIPES         04/20/16 14:00           16042205-021         CV-21         WIPES         04/20/16 14:00           16042205-022         CV-22         WIPES         04/20/16 14:00           16042205-023         CV-23         WIPES         04/20/16 14:00           16042205-024         CV-24         WIPES         04/20/16 14:00           16042205-025         CV-25         WIPES         04/20/16 14:00           16042205-026         CV-24         WIPES         04/21/16 09:25           16042205-027         CV-25         WIPES         04/21/16 09:25           16042205-028         CV-28         WIPES         04/21/16 09:25           16042205-030         CV-30         WIPES         04/21/16 09:25           16042205-031         CV-31         WIPES         04/21/16 09:25           16042205-033         CV-32         WIPES         04/21/16 09:25   | 16042205-014  | CV-14     | WIPES 04/20/16 14:00   |
| 16042205-017         CV-17         WIPES         04/20/16 14:00           16042205-018         CV-18         WIPES         04/20/16 14:00           16042205-019         CV-19         WIPES         04/20/16 14:00           16042205-020         CV-20         WIPES         04/20/16 14:00           16042205-021         CV-21         WIPES         04/20/16 14:00           16042205-022         CV-22         WIPES         04/20/16 14:00           16042205-023         CV-23         WIPES         04/20/16 14:00           16042205-024         CV-24         WIPES         04/20/16 14:00           16042205-025         CV-25         WIPES         04/21/16 09:25           16042205-026         CV-26         WIPES         04/21/16 09:25           16042205-027         CV-27         WIPES         04/21/16 09:25           16042205-028         CV-28         WIPES         04/21/16 09:25           16042205-030         CV-30         WIPES         04/21/16 09:25           16042205-031         CV-31         WIPES         04/21/16 09:25           16042205-032         CV-32         WIPES         04/21/16 09:25           16042205-033         CV-33         WIPES         04/21/16 09:25   | 16042205-015  | CV-15     |  |
| 16042205-018         CV-18         WIPES         04/20/16 14:00           16042205-029         CV-19         WIPES         04/20/16 14:00           16042205-020         CV-20         WIPES         04/20/16 14:00           16042205-021         CV-21         WIPES         04/20/16 14:00           16042205-023         CV-22         WIPES         04/20/16 14:00           16042205-023         CV-23         WIPES         04/20/16 14:00           16042205-024         CV-24         WIPES         04/20/16 14:00           16042205-025         CV-25         WIPES         04/21/16 09:25           16042205-026         CV-26         WIPES         04/21/16 09:25           16042205-027         CV-27         WIPES         04/21/16 09:25           16042205-028         CV-28         WIPES         04/21/16 09:25           16042205-029         CV-29         WIPES         04/21/16 09:25           16042205-030         CV-30         WIPES         04/21/16 09:25           16042205-031         CV-31         WIPES         04/21/16 09:25           16042205-033         CV-33         WIPES         04/21/16 09:25           16042205-034         CV-34         WIPES         04/21/16 09:25   | 16042205-016  | CV-16     | WIPES 04/20/16 14:00   |
| 16042205-019         CV-19         WIPES         04/20/16 14:00           16042205-020         CV-20         WIPES         04/20/16 14:00           16042205-021         CV-21         WIPES         04/20/16 14:00           16042205-022         CV-22         WIPES         04/20/16 14:00           16042205-023         CV-23         WIPES         04/20/16 14:00           16042205-024         CV-24         WIPES         04/20/16 14:00           16042205-025         CV-25         WIPES         04/20/16 14:00           16042205-026         CV-26         WIPES         04/21/16 09:25           16042205-027         CV-27         WIPES         04/21/16 09:25           16042205-028         CV-28         WIPES         04/21/16 09:25           16042205-029         CV-29         WIPES         04/21/16 09:25           16042205-030         CV-30         WIPES         04/21/16 09:25           16042205-031         CV-31         WIPES         04/21/16 09:25           16042205-032         CV-32         WIPES         04/21/16 09:25           16042205-033         CV-33         WIPES         04/21/16 09:25           16042205-034         CV-34         WIPES         04/21/16 09:25   | 16042205-017  | CV-17     |  |
| 16042205-020       CV-20       WIPES       04/20/16 14:00         16042205-021       CV-21       WIPES       04/20/16 14:00         16042205-022       CV-22       WIPES       04/20/16 14:00         16042205-023       CV-23       WIPES       04/20/16 14:00         16042205-024       CV-24       WIPES       04/20/16 14:00         16042205-025       CV-25       WIPES       04/21/16 09:25         16042205-026       CV-26       WIPES       04/21/16 09:25         16042205-027       CV-27       WIPES       04/21/16 09:25         16042205-028       CV-28       WIPES       04/21/16 09:25         16042205-029       CV-29       WIPES       04/21/16 09:25         16042205-030       CV-30       WIPES       04/21/16 09:25         16042205-031       CV-31       WIPES       04/21/16 09:25         16042205-032       CV-32       WIPES       04/21/16 09:25         16042205-033       CV-33       WIPES       04/21/16 09:25         16042205-034       CV-34       WIPES       04/21/16 09:25         16042205-035       CV-35       WIPES       04/21/16 09:25         16042205-036       CV-36       WIPES       04/21/16 12:00   | 16042205-018  | CV-18     | WIPES 04/20/16 14:00   |
| 16042205-021 CV-21 WIPES 04/20/16 14:00 16042205-022 CV-22 WIPES 04/20/16 14:00 16042205-023 CV-23 WIPES 04/20/16 14:00 16042205-024 CV-24 WIPES 04/20/16 14:00 16042205-025 CV-25 WIPES 04/21/16 09:25 16042205-026 CV-26 WIPES 04/21/16 09:25 16042205-027 CV-27 WIPES 04/21/16 09:25 16042205-028 CV-28 WIPES 04/21/16 09:25 16042205-029 CV-29 WIPES 04/21/16 09:25 16042205-030 CV-30 WIPES 04/21/16 09:25 16042205-031 CV-31 WIPES 04/21/16 09:25 16042205-032 CV-32 WIPES 04/21/16 09:25 16042205-033 CV-33 WIPES 04/21/16 09:25 16042205-034 CV-34 WIPES 04/21/16 09:25 16042205-035 CV-35 WIPES 04/21/16 09:25 16042205-036 CV-36 WIPES 04/21/16 09:25 16042205-037 CV-37 WIPES 04/21/16 09:25 16042205-038 CV-38 WIPES 04/21/16 09:25 16042205-039 CV-39 WIPES 04/21/16 12:00 16042205-039 CV-39 WIPES 04/21/16 12:00 16042205-039 CV-39 WIPES 04/21/16 12:00 16042205-040 CV-40 WIPES 04/21/16 12:00 16042205-041 CV-41 WIPES 04/21/16 12:00 16042205-042 CV-42 WIPES 04/21/16 12:00   | 16042205-019  | CV-19     | WIPES 04/20/16 14:00   |
| 16042205-021       CV-21       WIPES       04/20/16 14:00         16042205-022       CV-22       WIPES       04/20/16 14:00         16042205-023       CV-23       WIPES       04/20/16 14:00         16042205-024       CV-24       WIPES       04/20/16 14:00         16042205-025       CV-25       WIPES       04/21/16 09:25         16042205-026       CV-26       WIPES       04/21/16 09:25         16042205-027       CV-27       WIPES       04/21/16 09:25         16042205-028       CV-28       WIPES       04/21/16 09:25         16042205-029       CV-29       WIPES       04/21/16 09:25         16042205-030       CV-30       WIPES       04/21/16 09:25         16042205-031       CV-31       WIPES       04/21/16 09:25         16042205-032       CV-32       WIPES       04/21/16 09:25         16042205-033       CV-33       WIPES       04/21/16 09:25         16042205-034       CV-34       WIPES       04/21/16 09:25         16042205-035       CV-35       WIPES       04/21/16 09:25         16042205-036       CV-36       WIPES       04/21/16 09:25         16042205-037       CV-38       WIPES       04/21/16 12:00   | 16042205-020  | CV-20     |  |
| 16042205-022       CV-22       WIPES       04/20/16 14:00         16042205-023       CV-23       WIPES       04/20/16 14:00         16042205-024       CV-24       WIPES       04/20/16 14:00         16042205-025       CV-25       WIPES       04/21/16 09:25         16042205-026       CV-26       WIPES       04/21/16 09:25         16042205-027       CV-27       WIPES       04/21/16 09:25         16042205-028       CV-28       WIPES       04/21/16 09:25         16042205-029       CV-29       WIPES       04/21/16 09:25         16042205-030       CV-30       WIPES       04/21/16 09:25         16042205-031       CV-31       WIPES       04/21/16 09:25         16042205-032       CV-32       WIPES       04/21/16 09:25         16042205-033       CV-33       WIPES       04/21/16 09:25         16042205-034       CV-34       WIPES       04/21/16 09:25         16042205-035       CV-35       WIPES       04/21/16 09:25         16042205-036       CV-36       WIPES       04/21/16 09:25         16042205-038       CV-38       WIPES       04/21/16 12:00         16042205-039       CV-39       WIPES       04/21/16 12:00   | 16042205-021  | CV-21     |  |
| 16042205-024       CV-24       WIPES       04/20/16 14:00         16042205-025       CV-25       WIPES       04/21/16 09:25         16042205-026       CV-26       WIPES       04/21/16 09:25         16042205-027       CV-27       WIPES       04/21/16 09:25         16042205-028       CV-28       WIPES       04/21/16 09:25         16042205-029       CV-29       WIPES       04/21/16 09:25         16042205-030       CV-30       WIPES       04/21/16 09:25         16042205-031       CV-31       WIPES       04/21/16 09:25         16042205-032       CV-32       WIPES       04/21/16 09:25         16042205-033       CV-33       WIPES       04/21/16 09:25         16042205-034       CV-34       WIPES       04/21/16 09:25         16042205-035       CV-35       WIPES       04/21/16 09:25         16042205-036       CV-36       WIPES       04/21/16 09:25         16042205-037       CV-37       WIPES       04/21/16 12:00         16042205-038       CV-38       WIPES       04/21/16 12:00         16042205-040       CV-40       WIPES       04/21/16 12:00         16042205-041       CV-41       WIPES       04/21/16 12:00   | 16042205-022  | CV-22     |  |
| 16042205-024       CV-24       WIPES       04/20/16 14:00         16042205-025       CV-25       WIPES       04/21/16 09:25         16042205-026       CV-26       WIPES       04/21/16 09:25         16042205-027       CV-27       WIPES       04/21/16 09:25         16042205-028       CV-28       WIPES       04/21/16 09:25         16042205-029       CV-29       WIPES       04/21/16 09:25         16042205-030       CV-30       WIPES       04/21/16 09:25         16042205-031       CV-31       WIPES       04/21/16 09:25         16042205-032       CV-32       WIPES       04/21/16 09:25         16042205-033       CV-33       WIPES       04/21/16 09:25         16042205-034       CV-34       WIPES       04/21/16 09:25         16042205-035       CV-35       WIPES       04/21/16 09:25         16042205-036       CV-36       WIPES       04/21/16 09:25         16042205-037       CV-37       WIPES       04/21/16 12:00         16042205-039       CV-39       WIPES       04/21/16 12:00         16042205-040       CV-40       WIPES       04/21/16 12:00         16042205-041       CV-41       WIPES       04/21/16 12:00   | 16042205-023  | CV-23     | WIPES 04/20/16 14:00   |
| 16042205-026       CV-26       WIPES       04/21/16 09:25         16042205-027       CV-27       WIPES       04/21/16 09:25         16042205-028       CV-28       WIPES       04/21/16 09:25         16042205-029       CV-29       WIPES       04/21/16 09:25         16042205-030       CV-30       WIPES       04/21/16 09:25         16042205-031       CV-31       WIPES       04/21/16 09:25         16042205-032       CV-32       WIPES       04/21/16 09:25         16042205-033       CV-33       WIPES       04/21/16 09:25         16042205-034       CV-34       WIPES       04/21/16 09:25         16042205-035       CV-35       WIPES       04/21/16 09:25         16042205-036       CV-36       WIPES       04/21/16 09:25         16042205-037       CV-37       WIPES       04/21/16 12:00         16042205-039       CV-39       WIPES       04/21/16 12:00         16042205-040       CV-40       WIPES       04/21/16 12:00         16042205-041       CV-41       WIPES       04/21/16 12:00   | 16042205-024  | CV-24     |  |
| 16042205-026       CV-26       WIPES       04/21/16 09:25         16042205-027       CV-27       WIPES       04/21/16 09:25         16042205-028       CV-28       WIPES       04/21/16 09:25         16042205-029       CV-29       WIPES       04/21/16 09:25         16042205-030       CV-30       WIPES       04/21/16 09:25         16042205-031       CV-31       WIPES       04/21/16 09:25         16042205-032       CV-32       WIPES       04/21/16 09:25         16042205-033       CV-33       WIPES       04/21/16 09:25         16042205-034       CV-34       WIPES       04/21/16 09:25         16042205-035       CV-35       WIPES       04/21/16 09:25         16042205-036       CV-36       WIPES       04/21/16 09:25         16042205-037       CV-37       WIPES       04/21/16 12:00         16042205-039       CV-39       WIPES       04/21/16 12:00         16042205-040       CV-40       WIPES       04/21/16 12:00         16042205-041       CV-41       WIPES       04/21/16 12:00   | 16042205-025  | CV-25     | WIPES 04/21/16 09:25   |
| 16042205-028       CV-28       WIPES       04/21/16 09:25         16042205-029       CV-29       WIPES       04/21/16 09:25         16042205-030       CV-30       WIPES       04/21/16 09:25         16042205-031       CV-31       WIPES       04/21/16 09:25         16042205-032       CV-32       WIPES       04/21/16 09:25         16042205-033       CV-33       WIPES       04/21/16 09:25         16042205-034       CV-34       WIPES       04/21/16 09:25         16042205-035       CV-35       WIPES       04/21/16 09:25         16042205-036       CV-36       WIPES       04/21/16 09:25         16042205-037       CV-37       WIPES       04/21/16 12:00         16042205-038       CV-38       WIPES       04/21/16 12:00         16042205-040       CV-40       WIPES       04/21/16 12:00         16042205-041       CV-41       WIPES       04/21/16 12:00         16042205-042       CV-42       WIPES       04/21/16 12:00   | 16042205-026  | CV-26     |  |
| 16042205-028       CV-28       WIPES       04/21/16 09:25         16042205-029       CV-29       WIPES       04/21/16 09:25         16042205-030       CV-30       WIPES       04/21/16 09:25         16042205-031       CV-31       WIPES       04/21/16 09:25         16042205-032       CV-32       WIPES       04/21/16 09:25         16042205-033       CV-33       WIPES       04/21/16 09:25         16042205-034       CV-34       WIPES       04/21/16 09:25         16042205-035       CV-35       WIPES       04/21/16 09:25         16042205-036       CV-36       WIPES       04/21/16 09:25         16042205-037       CV-37       WIPES       04/21/16 12:00         16042205-038       CV-38       WIPES       04/21/16 12:00         16042205-040       CV-40       WIPES       04/21/16 12:00         16042205-041       CV-41       WIPES       04/21/16 12:00         16042205-042       CV-42       WIPES       04/21/16 12:00   | 16042205-027  | CV-27     | WIPES 04/21/16 09:25   |
| 16042205-029       CV-29       WIPES       04/21/16 09:25         16042205-030       CV-30       WIPES       04/21/16 09:25         16042205-031       CV-31       WIPES       04/21/16 09:25         16042205-032       CV-32       WIPES       04/21/16 09:25         16042205-033       CV-33       WIPES       04/21/16 09:25         16042205-034       CV-34       WIPES       04/21/16 09:25         16042205-035       CV-35       WIPES       04/21/16 09:25         16042205-036       CV-36       WIPES       04/21/16 09:25         16042205-037       CV-37       WIPES       04/21/16 12:00         16042205-038       CV-38       WIPES       04/21/16 12:00         16042205-040       CV-40       WIPES       04/21/16 12:00         16042205-041       CV-41       WIPES       04/21/16 12:00         16042205-042       CV-42       WIPES       04/21/16 12:00   | 16042205-028  | CV-28     |  |
| 16042205-031       CV-31       WIPES       04/21/16 09:25         16042205-032       CV-32       WIPES       04/21/16 09:25         16042205-033       CV-33       WIPES       04/21/16 09:25         16042205-034       CV-34       WIPES       04/21/16 09:25         16042205-035       CV-35       WIPES       04/21/16 09:25         16042205-036       CV-36       WIPES       04/21/16 09:25         16042205-037       CV-37       WIPES       04/21/16 12:00         16042205-038       CV-38       WIPES       04/21/16 12:00         16042205-039       CV-39       WIPES       04/21/16 12:00         16042205-040       CV-40       WIPES       04/21/16 12:00         16042205-041       CV-41       WIPES       04/21/16 12:00         16042205-042       CV-42       WIPES       04/21/16 12:00   | 16042205-029  | CV-29     |  |
| 16042205-032 CV-32 WIPES 04/21/16 09:25 16042205-033 CV-33 WIPES 04/21/16 09:25 16042205-034 CV-34 WIPES 04/21/16 09:25 16042205-035 CV-35 WIPES 04/21/16 09:25 16042205-036 CV-36 WIPES 04/21/16 09:25 16042205-037 CV-37 WIPES 04/21/16 12:00 16042205-038 CV-38 WIPES 04/21/16 12:00 16042205-039 CV-39 WIPES 04/21/16 12:00 16042205-040 CV-40 WIPES 04/21/16 12:00 16042205-041 CV-41 WIPES 04/21/16 12:00 16042205-042 CV-42 WIPES 04/21/16 12:00   | 16042205-030  | CV-30     |  |
| 16042205-033 CV-33 WIPES 04/21/16 09:25 16042205-034 CV-34 WIPES 04/21/16 09:25 16042205-035 CV-35 WIPES 04/21/16 09:25 16042205-036 CV-36 WIPES 04/21/16 09:25 16042205-037 CV-37 WIPES 04/21/16 12:00 16042205-038 CV-38 WIPES 04/21/16 12:00 16042205-039 CV-39 WIPES 04/21/16 12:00 16042205-040 CV-40 WIPES 04/21/16 12:00 16042205-041 CV-41 WIPES 04/21/16 12:00 16042205-042 CV-42 WIPES 04/21/16 12:00   | 16042205-031  | CV-31     | WIPES 04/21/16 09:25   |
| 16042205-033       CV-33       WIPES       04/21/16 09:25         16042205-034       CV-34       WIPES       04/21/16 09:25         16042205-035       CV-35       WIPES       04/21/16 09:25         16042205-036       CV-36       WIPES       04/21/16 09:25         16042205-037       CV-37       WIPES       04/21/16 12:00         16042205-038       CV-38       WIPES       04/21/16 12:00         16042205-039       CV-39       WIPES       04/21/16 12:00         16042205-040       CV-40       WIPES       04/21/16 12:00         16042205-041       CV-41       WIPES       04/21/16 12:00         16042205-042       CV-42       WIPES       04/21/16 12:00   | 16042205-032  | CV-32     | WIPES 04/21/16 09:25   |
| 16042205-034       CV-34       WIPES       04/21/16 09:25         16042205-035       CV-35       WIPES       04/21/16 09:25         16042205-036       CV-36       WIPES       04/21/16 09:25         16042205-037       CV-37       WIPES       04/21/16 12:00         16042205-038       CV-38       WIPES       04/21/16 12:00         16042205-039       CV-39       WIPES       04/21/16 12:00         16042205-040       CV-40       WIPES       04/21/16 12:00         16042205-041       CV-41       WIPES       04/21/16 12:00         16042205-042       CV-42       WIPES       04/21/16 12:00   | 16042205-033  | CV-33     |  |
| 16042205-035       CV-35       WIPES       04/21/16 09:25         16042205-036       CV-36       WIPES       04/21/16 09:25         16042205-037       CV-37       WIPES       04/21/16 12:00         16042205-038       CV-38       WIPES       04/21/16 12:00         16042205-039       CV-39       WIPES       04/21/16 12:00         16042205-040       CV-40       WIPES       04/21/16 12:00         16042205-041       CV-41       WIPES       04/21/16 12:00         16042205-042       CV-42       WIPES       04/21/16 12:00   | 16042205-034  | CV-34     |  |
| 16042205-036       CV-36       WIPES       04/21/16 09:25         16042205-037       CV-37       WIPES       04/21/16 12:00         16042205-038       CV-38       WIPES       04/21/16 12:00         16042205-039       CV-39       WIPES       04/21/16 12:00         16042205-040       CV-40       WIPES       04/21/16 12:00         16042205-041       CV-41       WIPES       04/21/16 12:00         16042205-042       CV-42       WIPES       04/21/16 12:00   | 16042205-035  | CV-35     |  |
| 16042205-037       CV-37       WIPES       04/21/16 12:00         16042205-038       CV-38       WIPES       04/21/16 12:00         16042205-039       CV-39       WIPES       04/21/16 12:00         16042205-040       CV-40       WIPES       04/21/16 12:00         16042205-041       CV-41       WIPES       04/21/16 12:00         16042205-042       CV-42       WIPES       04/21/16 12:00   | 16042205-036  | CV-36     |  |
| 16042205-038       CV-38       WIPES       04/21/16 12:00         16042205-039       CV-39       WIPES       04/21/16 12:00         16042205-040       CV-40       WIPES       04/21/16 12:00         16042205-041       CV-41       WIPES       04/21/16 12:00         16042205-042       CV-42       WIPES       04/21/16 12:00   | 16042205-037  | CV-37     | MODIFIED STORMS STORMS SECURITION SECURITIONS SECURITI |
| 16042205-039       CV-39       WIPES       04/21/16 12:00         16042205-040       CV-40       WIPES       04/21/16 12:00         16042205-041       CV-41       WIPES       04/21/16 12:00         16042205-042       CV-42       WIPES       04/21/16 12:00   | 16042205-038  | CV-38     |  |
| 16042205-040       CV-40       WIPES       04/21/16 12:00         16042205-041       CV-41       WIPES       04/21/16 12:00         16042205-042       CV-42       WIPES       04/21/16 12:00   | 16042205-039  | CV-39     |  |
| 16042205-041 CV-41 WIPES 04/21/16 12:00 16042205-042 CV-42 WIPES 04/21/16 12:00   | 16042205-040  | CV-40     |  |
| 16042205-042 CV-42 WIPES 04/21/16 12:00   | 16042205-041  | CV-41     |  |
|   | 16042205-042  |           |  |
|   | 16042205-043  | CV-43     | WIPES 04/21/16 12:00   |



#### Sample Summary

#### Client Name: ACE Environmental Project Name: Walter Reed

| Work    | Order Number | r(s): 16042205           |       |                |
|---------|--------------|--------------------------|-------|----------------|
| 160422  | 205-044      | CV-44                    | WIPES | 04/21/16 12:00 |
| 160422  | 205-045      | CV-45                    | WIPES | 04/21/16 12:00 |
| 160422  | 05-046       | CV-46                    | WIPES | 04/21/16 12:00 |
| 160422  | 05-047       | CV-47                    | WIPES | 04/21/16 12:00 |
| 160422  | 05-048       | CV-48                    | WIPES | 04/21/16 12:00 |
| 160422  | 05-049       | Blank-1                  | WIPES | 04/20/16 11:05 |
| 160422  | 05-050       | Dlank 2                  | WIPES | 04/21/16 09:25 |
| 160422  | 05-051       | X-1                      | WIPES | 04/21/16 13:15 |
| 160422  | 05-052       | X-2 Building 1 Abandoned | WIPES | 04/21/16 13:15 |
| 160422  | 05-053       | X-3 Vault Wipe Samples   | WIPES | 04/21/16 13:15 |
| 160422  | 05-054       | X-4                      | WIPES | 04/21/16 13:15 |
| 1604220 | 05-055       | T-1                      | WIPES | 04/21/16 12:45 |
| 1604220 | 05-056       | T-2                      | WIPES | 04/21/16 12:45 |
| 1604220 | 05-057       | Т-3                      | WIPES | 04/21/16 12:45 |
| 1604220 | 05-058       | Т-4                      | WIPES | 04/21/16 12:45 |
| 1604220 | 05-059       | Blank-3                  | WIPES | 04/21/16 12:45 |
|         |              |                          |       |                |

Please reference the Chain of Custody and Sample Receipt Checklist for specific container counts and preservatives. Any sample conditions not in compliance with sample acceptance criteria are described in Case Narrative Summary.

#### Notes:

- The presence of a common laboratory contaminant such as methylene chloride may be considered a possible laboratory artifact. Where observed, appropriate consideration of data should be taken.
- 2. Unless otherwise noted in the case narrative, results are reported on a dry weight basis with the exception of pH, flashpoint, moisture, and paint filter test.
- 3. Drinking water samples collected for the purpose of compliance with SDWA may not be suitable for their intended use unless collected by a certified sampler [COMAR 26.08.05.07.C.2].
- 4. The analyses of 1,2-dibromo-3-chloropropane (DBCP) and 1,2-dibromoethane (EDB) by EPA 524.2 and calcium, magnesium, sodium and iron by EPA 200.8 are not currently promulgated for use in testing to meet the Safe Drinking Water Act and as such cannot be used for compliance purposes. The listings of the current promulgated methods for testing in compliance with the Safe Drinking Water Act can be found in the 40 CFR part 141.1, for the primary drinking water contaminates, and part 141.3, for the secondary drinking water contaminates.
- 5. Sample prepared under EPA 3550C with concentrations greater than 20 mg/Kg should employ the microtip extraction procedure if required to meet data quality objectives.
- 6. The analysis of acrolein by EPA 624 must be analyzed within three days of sampling unless pH is adjusted to 4-5 units [40 CFR part 136.3(e)].
- 7. Method 180.1, The Determination of Turbidity by Nephelometry, recommends samples over 40 NTU be diluted until the turbidity falls below 40 units. Routine samples over 40 NTU may not be diluted as long as the data quality objectives are not affected.
- 8. Alkalinity results analyzed by EPA 310.2 that are reported by dilution are estimated and are not in compliance with method requirements.

#### Standard Flags/Abbreviations:

- B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- C Results Pending Final Confirmation.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- Fail The result exceeds the regulatory level for Toxicity Characteristic (TCLP) as cited in 40 CFR 261.24 Table 1.
- The target analyte was positively identified below the reporting limit but greater than the MDL.
- MDL This is the Laboratory Method Detection Limit which is equivalent to the Limit of Detection (LOD). The LOD is an estimate of the minimum amount of a substance that an analytical process can reliably detect. This value will remain constant across multiple similar instrumentation and among different analysts. An LOD is analyte and matrix specific.
- ND Not Detected at or above the reporting limit.
- RL PSS Reporting Limit.
- U Not detected.



## Sample Summary Client Name: ACE Environmental

**Project Name: Walter Reed** 

Work Order Number(s): 16042205

Certifications:

NELAP Certifications: PA 68-03330, VA 460156

State Certifications: MD 179, WV 303 Regulated Soil Permit: P330-12-00268 NSWC USCG Accepted Laboratory LDBE MWAA LD1997-0041-2015

### PHASE SEPARATION SCIENCE, INC.



#### **CERTIFICATE OF ANALYSIS**

No: 16042205

ACE Environmental, Baltimore, MD

May 2, 2016

| Sample ID: CV-1           |           | Date/Time S    | The state of the s |         |            | the control of the state of the | e ID: 1604220                      | 5-001   |
|---------------------------|-----------|----------------|--|---------|------------|--|------------------------------------|---------|
| Matrix: WIPES             |           | Date/Time Re   | eceived:   | 04/22/  | 2016 08:5  | 5  |                                    |         |
| Polychlorinated Biphenyls | Analytic  | al Method: SW  | -846 8082  | : A     |            | Preparation Met<br>Clean up Method   |                                    |         |
|                           | Result    | Units          | RL   | Flag    | Dil        | Prepared   | Analyzed                           | Analyst |
| PCB-1016                  | ND        | ug/100cm2      | 5.0  |         | 1          | 04/26/16   | 04/26/16 23:21                     | 1029    |
| PCB-1221                  | ND        | ug/100cm2      | 5.0  |         | 1          | 04/26/16   | 04/26/16 23:21                     | 1029    |
| PCB-1232                  | ND        | ug/100cm2      | 5.0  |         | 1          | 04/26/16   | 04/26/16 23:21                     | 1029    |
| PCB-1242                  | ND        | ug/100cm2      | 5.0  |         | 1          | 04/26/16   | 04/26/16 23:21                     | 1029    |
| PCB-1248                  | ND        | ug/100cm2      | 5.0  |         | 1          | 04/26/16   | 04/26/16 23:21                     | 1029    |
| PCB-1254                  | ND        | ug/100cm2      | 5.0  |         | 1          | 04/26/16   | 04/26/16 23:21                     | 1029    |
| PCB-1260                  | ND        | ug/100cm2      | 5.0  |         | 1          | 04/26/16   | 04/26/16 23:21                     | 1029    |
| Sample ID: CV-2           |           | Date/Time S    | ampled:  | 04/20/  | 2016 11:05 | PSS Sampl  | e ID: 16042205                     | 5-002   |
| Matrix: WIPES             |           | Date/Time Re   | eceived:   | 04/22/  | 2016 08:55 |  |                                    |         |
| Polychlorinated Biphenyls | Analytic  | al Method: SW- |  |         |            | Preparation Meth   | or empressionered to the full-flow |         |
|                           | Result    | Units          | RL   | Flag    | Dil        | Clean up Method<br>Prepared  | SVV846 3665A Analyzed              | Analyst |
| PCB-1016                  | ND        | ug/100cm2      | 5.0  |         | 1          |  | 04/26/16 23:50                     |         |
| PCB-1221                  | ND        | ug/100cm2      | 5.0  |         | 1          |  | 04/26/16 23:50                     |         |
| PCB-1232                  |           | ug/100cm2      | 5.0  |         | 1          |  | 04/26/16 23:50                     |         |
| PCB-1242                  |           | ug/100cm2      | 5.0  |         | 1          |  | 04/26/16 23:50                     |         |
| PCB-1248                  | ND        | ug/100cm2      | 5.0  |         | 1          |  | 04/26/16 23:50                     |         |
| PCB-1254                  | ND        | ug/100cm2      | 5.0  |         | 1          |  | 04/26/16 23:50                     |         |
| PCB-1260                  |           | ug/100cm2      | 5.0  |         | 1          |  | 04/26/16 23:50                     |         |
| Sample ID: CV-3           |           | Date/Time Sa   | ampled:  | 04/20/2 | 2016 11:05 |  | D: 16042205                        |         |
| Matrix: WIPES             |           | Date/Time Re   | and the second   |         |            |  | . ID. 10042203                     | -003    |
| Polychlorinated Biphenyls | Analytica | al Method: SW- | 846 8082   | Α       |            | Preparation Meth<br>Clean up Method  |                                    |         |
|                           | Result    | Units          | RL   | Flag    | Dil        | Prepared   |                                    | Analyst |
| PCB-1016                  | ND I      | ug/100cm2      | 5.0  |         | 1          | 04/26/16   | 04/27/16 00:19                     | 1029    |
| PCB-1221                  | ND I      | ug/100cm2      | 5.0  |         | 1          | 04/26/16   | 04/27/16 00:19                     | 1029    |
| PCB-1232                  | ND I      | ug/100cm2      | 5.0  |         | 1          |  | 04/27/16 00:19                     | 1029    |
| PCB-1242                  | ND i      | ug/100cm2      | 5.0  |         | 1          |  | 04/27/16 00:19                     | 1029    |
| PCB-1248                  | ND t      | ug/100cm2      | 5.0  |         | 1          |  | 04/27/16 00:19                     | 1029    |
| PCB-1254                  | ND t      | ug/100cm2      | 5.0  |         | 1          |  | 04/27/16 00:19                     | 1029    |
| PCB-1260                  | ND t      | ug/100cm2      | 5.0  |         | 1          |  | 04/27/16 00:19                     |         |

## PHASE SEPARATION SCIENCE, INC.



#### **CERTIFICATE OF ANALYSIS**

No: 16042205

ACE Environmental, Baltimore, MD

May 2, 2016

| Sample ID: CV-4 Matrix: WIPES |          | Date/Time S    |           |         |            |                    | e ID: 1604220  | 5-004   |
|-------------------------------|----------|----------------|-----------|---------|------------|--------------------|--|---------|
| Polychlorinated Biphenyls     | Analytic | cal Method: SW | -846 8082 | 2 A     |            | Preparation Met    |  |         |
|                               | Result   | t Units        | RL        | Flag    | Dil        | Prepared           | Analyzed   | Analyst |
| PCB-1016                      | ND       | ug/100cm2      | 5.0       |         | 1          | 04/26/16           | 04/27/16 00:48   |         |
| PCB-1221                      | ND       | ug/100cm2      | 5.0       |         | 1          | 04/26/16           | 04/27/16 00:48   | 3 1029  |
| PCB-1232                      | ND       | ug/100cm2      | 5.0       |         | 1          | 04/26/16           | 04/27/16 00:48   | 3 1029  |
| PCB-1242                      | ND       | ug/100cm2      | 5.0       |         | 1          | 04/26/16           | 04/27/16 00:48   | 1029    |
| PCB-1248                      | ND       | ug/100cm2      | 5.0       |         | 1          | 04/26/16           | 04/27/16 00:48   | 1029    |
| PCB-1254                      | ND       | ug/100cm2      | 5.0       |         | 1          |                    | 04/27/16 00:48   |         |
| PCB-1260                      | ND       | ug/100cm2      | 5.0       |         | 1          | 04/26/16           | 04/27/16 00:48   | 1029    |
| Sample ID: CV-5               |          | Date/Time S    | ampled:   | 04/20/  | 2016 11:05 |                    | e ID: 1604220  |         |
| Matrix: WIPES                 |          | Date/Time Re   |           |         |            |                    |  |         |
| Polychlorinated Biphenyls     | Analytic | al Method: SW- |           |         | ı          | Preparation Method |  |         |
|                               | Result   | Units          | RL        | Flag    | Dil        | Prepared           | The contract of the contract o | Analyst |
| PCB-1016                      | ND       | ug/100cm2      | 5.0       |         | 1          | 04/26/16           | 04/27/16 00:48   | 1029    |
| PCB-1221                      | ND       | ug/100cm2      | 5.0       |         | 1          | 04/26/16           | 04/27/16 00:48   | 1029    |
| PCB-1232                      | ND       | ug/100cm2      | 5.0       |         | 1          | 04/26/16           | 04/27/16 00:48   | 1029    |
| PCB-1242                      | ND       | ug/100cm2      | 5.0       |         | 1          | 04/26/16           | 04/27/16 00:48   | 1029    |
| PCB-1248                      | ND       | ug/100cm2      | 5.0       |         | 1          | 04/26/16           | 04/27/16 00:48   | 1029    |
| PCB-1254                      | ND       | ug/100cm2      | 5.0       |         | 1          | 04/26/16           | 04/27/16 00:48   | 1029    |
| PCB-1260                      | ND       | ug/100cm2      | 5.0       |         | 1          | 04/26/16           | 04/27/16 00:48   | 1029    |
| Sample ID: CV-6               |          | Date/Time Sa   | ampled:   | 04/20/2 | 2016 11:05 | PSS Sample         | D: 16042205  | -006    |
| Matrix: WIPES                 |          | Date/Time Re   |           |         |            |                    |  |         |
| Polychlorinated Biphenyls     |          | al Method: SW- |           |         | F          | Preparation Method |  |         |
|                               | Result   | Units          | RL        | Flag    | Dil        | Prepared           |  | Analyst |
| PCB-1016                      | ND       | ug/100cm2      | 5.0       |         | 1          | 04/26/16           | 04/27/16 01:17   | 1029    |
| PCB-1221                      | ND       | ug/100cm2      | 5.0       |         | 1          | 04/26/16           | 04/27/16 01:17   | 1029    |
| PCB-1232                      | ND       | ug/100cm2      | 5.0       |         | 1          | 04/26/16           | 04/27/16 01:17   | 1029    |
| PCB-1242                      | ND       | ug/100cm2      | 5.0       |         | 1          | 04/26/16           | 04/27/16 01:17   | 1029    |
| PCB-1248                      | ND       | ug/100cm2      | 5.0       |         | 1          | 04/26/16           | 04/27/16 01:17   | 1029    |
| PCB-1254                      | ND       | ug/100cm2      | 5.0       |         | 1          | 04/26/16           | 04/27/16 01:17   | 1029    |
| PCB-1260                      | ND       | ug/100cm2      | 5.0       |         | 1          |                    | 04/27/16 01:17   |         |

### PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 16042205

ACE Environmental, Baltimore, MD

May 2, 2016

| Sample ID: CV-7 Matrix: WIPES |           | Date/Time S    | te the type of the resilience on |         |            |                                     | e ID: 1604220  | 5-007   |
|-------------------------------|-----------|----------------|----------------------------------|---------|------------|-------------------------------------|----------------|---------|
| Polychlorinated Biphenyls     | Analytic  | al Method: SW  | /-846 8082                       | ! A     |            | Preparation Met                     |                |         |
|                               | Result    | Units          | RL                               | Flag    | Dil        | Prepared                            | Analyzed       | Analyst |
| PCB-1016                      | ND        | ug/100cm2      | 5.0                              |         | 1          | 04/26/16                            | 04/27/16 01:17 | 1029    |
| PCB-1221                      | ND        | ug/100cm2      | 5.0                              |         | 1          | 04/26/16                            | 04/27/16 01:17 | 1029    |
| PCB-1232                      | ND        | ug/100cm2      | 5.0                              |         | 1          | 04/26/16                            | 04/27/16 01:17 | 1029    |
| PCB-1242                      | ND        | ug/100cm2      | 5.0                              |         | 1          | 04/26/16                            | 04/27/16 01:17 | 1029    |
| PCB-1248                      | ND        | ug/100cm2      | 5.0                              |         | 1          | 04/26/16                            | 04/27/16 01:17 | 1029    |
| PCB-1254                      | ND        | ug/100cm2      | 5.0                              |         | 1          | 04/26/16                            | 04/27/16 01:17 | 1029    |
| PCB-1260                      | ND        | ug/100cm2      | 5.0                              |         | 1          | 04/26/16                            | 04/27/16 01:17 | 1029    |
| Sample ID: CV-8               |           | Date/Time S    | ampled:                          | 04/20/  | 2016 11:05 | PSS Sampl                           | e ID: 1604220  | 5-008   |
| Matrix: WIPES                 |           | Date/Time R    | eceived:                         | 04/22/  | 2016 08:55 |                                     |                |         |
| Polychlorinated Biphenyls     | Analytic  | al Method: SW  | -846 8082                        | Α       |            | Preparation Metl<br>Clean up Method |                |         |
|                               | Result    | Units          | RL                               | Flag    | Dil        | Prepared                            | 2              | Analyst |
| PCB-1016                      | ND        | ug/100cm2      | 5.0                              |         | 1          | 04/26/16                            | 04/27/16 01:46 | 1029    |
| PCB-1221                      | ND        | ug/100cm2      | 5.0                              |         | 1          | 04/26/16                            | 04/27/16 01:46 | 1029    |
| PCB-1232                      | ND        | ug/100cm2      | 5.0                              |         | 1          | 04/26/16                            | 04/27/16 01:46 | 1029    |
| PCB-1242                      | ND        | ug/100cm2      | 5.0                              |         | 1          | 04/26/16                            | 04/27/16 01:46 | 1029    |
| PCB-1248                      | ND        | ug/100cm2      | 5.0                              |         | 1          | 04/26/16                            | 04/27/16 01:46 | 1029    |
| PCB-1254                      | ND        | ug/100cm2      | 5.0                              |         | 1          | 04/26/16                            | 04/27/16 01:46 | 1029    |
| PCB-1260                      | ND        | ug/100cm2      | 5.0                              |         | 1          | 04/26/16                            | 04/27/16 01:46 | 1029    |
| Sample ID: CV-9               |           | Date/Time S    | ampled:                          | 04/20/2 | 2016 11:05 | PSS Sample                          | D: 16042205    | -009    |
| Matrix: WIPES                 |           | Date/Time Re   | eceived:                         | 04/22/2 | 2016 08:55 |                                     |                |         |
| Polychlorinated Biphenyls     | Analytica | al Method: SW- | 846 8082                         | Α       |            | Preparation Meth<br>Clean up Method |                |         |
|                               | Result    | Units          | RL                               | Flag    | Dil        | Prepared                            |                | Analyst |
| PCB-1016                      | ND        | ug/100cm2      | 5.0                              |         | 1          | 04/26/16                            | 04/27/16 01:46 | 1029    |
| PCB-1221                      | ND        | ug/100cm2      | 5.0                              |         | 1          | 04/26/16                            | 04/27/16 01:46 | 1029    |
| PCB-1232                      | ND        | ug/100cm2      | 5.0                              |         | 1          | 04/26/16                            | 04/27/16 01:46 | 1029    |
| PCB-1242                      | ND I      | ug/100cm2      | 5.0                              |         | 1          | 04/26/16                            | 04/27/16 01:46 | 1029    |
| PCB-1248                      | ND (      | ug/100cm2      | 5.0                              |         | 1          | 04/26/16                            | 04/27/16 01:46 | 1029    |
| PCB-1254                      | ND (      | ug/100cm2      | 5.0                              |         | 1          | 04/26/16                            | 04/27/16 01:46 | 1029    |
| PCB-1260                      | 11        | ug/100cm2      | 5.0                              |         | 1          | 04/26/16                            | 04/27/16 01:46 | 1029    |

### PHASE SEPARATION SCIENCE, INC.



**CERTIFICATE OF ANALYSIS** 

No: 16042205

ACE Environmental, Baltimore, MD

May 2, 2016

| Sample ID: CV-10          |          | Date/Time S    |           |         |            | and the state of t | le ID: 1604220  | 5-010                                   |
|---------------------------|----------|----------------|-----------|---------|------------|--|---|---|
| Matrix: WIPES             |          | Date/Time R    |           |         | 2016 08:5  | 5  |   |   |
| Polychlorinated Biphenyls | Analytic | al Method: SW  | -846 8082 | 2 A     |            | Preparation Met  |   |   |
|                           | Result   | Units          | RL        | Flag    | Dil        | Prepared   | Analyzed  | Analyst                                 |
| PCB-1016                  | ND       | ug/100cm2      | 5.0       |         | 1          | 04/26/16   | 04/27/16 02:14  | 1029                                    |
| PCB-1221                  | ND       | ug/100cm2      | 5.0       |         | 1          | 04/26/16   | 04/27/16 02:14  | 1029                                    |
| PCB-1232                  | ND       | ug/100cm2      | 5.0       |         | 1          | 04/26/16   | 04/27/16 02:14  | 1029                                    |
| PCB-1242                  | ND       | ug/100cm2      | 5.0       |         | 1          | 04/26/16   | 04/27/16 02:14  | 1029                                    |
| PCB-1248                  | ND       | ug/100cm2      | 5.0       |         | 1          | 04/26/16   | 04/27/16 02:14  | 1029                                    |
| PCB-1254                  | ND       | ug/100cm2      | 5.0       |         | 1          | 04/26/16   | 04/27/16 02:14  | 1029                                    |
| PCB-1260                  | 22       | ug/100cm2      | 5.0       |         | 1          |  | 04/27/16 02:14  |   |
| Sample ID: CV-11          |          | Date/Time S    | ampled:   | 04/20/  | 2016 11:05 | PSS Sample   | e ID: 1604220   | 5-011                                   |
| Matrix: WIPES             |          | Date/Time Re   |           |         |            |  |   |   |
| Polychlorinated Biphenyls | Analytic | al Method: SW- | 846 8082  | Α       |            | Preparation Meth   |   |   |
|                           | Result   | Units          | RL        | Flag    | Dil        | Prepared   |   | Analyst                                 |
| PCB-1016                  | ND       | ug/100cm2      | 5.0       |         | 1          | 04/26/16   | 04/27/16 02:14  | 1029                                    |
| PCB-1221                  | ND       | ug/100cm2      | 5.0       |         | 1          | 04/26/16   | 04/27/16 02:14  | 1029                                    |
| PCB-1232                  | ND       | ug/100cm2      | 5.0       |         | 1          | 04/26/16   | 04/27/16 02:14  | 1029                                    |
| PCB-1242                  | ND       | ug/100cm2      | 5.0       |         | 1          | 04/26/16   | 04/27/16 02:14  | 1029                                    |
| PCB-1248                  | ND       | ug/100cm2      | 5.0       |         | 1          | 04/26/16   | 04/27/16 02:14  | 1029                                    |
| PCB-1254                  | ND       | ug/100cm2      | 5.0       |         | 1          | 04/26/16   | 04/27/16 02:14  | 1029                                    |
| PCB-1260                  | 26       | ug/100cm2      | 5.0       |         | 1          | 04/26/16   | 04/27/16 02:14  | 1029                                    |
| Sample ID: CV-12          |          | Date/Time Sa   | ampled:   | 04/20/2 | 2016 11:05 |  | D: 16042205   |   |
| Matrix: WIPES             |          | Date/Time Re   | ceived:   | 04/22/2 | 2016 08:55 |  |   |   |
| Polychlorinated Biphenyls |          | al Method: SW- |           |         |            | Preparation Meth<br>Clean up Method  |   |   |
|                           | Result   | Units          | RL        | Flag    | Dil        | Prepared   | 220 - C. S. B. S. | Analyst                                 |
| PCB-1016                  | ND t     | ug/100cm2      | 5.0       |         | 1          | 04/26/16   | 04/27/16 02:43  | 100000000000000000000000000000000000000 |
| PCB-1221                  | ND t     | ug/100cm2      | 5.0       |         | 1          | 04/26/16   | 04/27/16 02:43  | 1029                                    |
| PCB-1232                  | ND t     | ıg/100cm2      | 5.0       |         | 1          | 04/26/16   | 04/27/16 02:43  | 1029                                    |
| PCB-1242                  | ND t     | ıg/100cm2      | 5.0       |         | 1          | 04/26/16   | 04/27/16 02:43  | 1029                                    |
| PCB-1248                  | ND t     | ıg/100cm2      | 5.0       |         | 1          |  | 04/27/16 02:43  |   |
| PCB-1254                  | ND t     | ıg/100cm2      | 5.0       |         | 1          |  | 04/27/16 02:43  |   |
| PCB-1260                  | ND u     | ıg/100cm2      | 5.0       |         | 1          |  | 04/27/16 02:43  |   |

## PHASE SEPARATION SCIENCE, INC.



**CERTIFICATE OF ANALYSIS** 

No: 16042205

ACE Environmental, Baltimore, MD

May 2, 2016

| Sample ID: CV-13 Matrix: WIPES |          | Date/Time S    |         |        |            |                                     | e ID: 1604220  | 5-013   |
|--------------------------------|----------|----------------|---------|--------|------------|-------------------------------------|----------------|---------|
| Polychlorinated Biphenyls      | Analytic | al Method: SW  |         |        |            | Preparation Met                     |                |         |
|                                | Result   | Units          | RL      | Flag   | Dil        | Prepared                            | Analyzed       | Analyst |
| PCB-1016                       | ND       | ug/100cm2      | 5.0     |        | 1          | 04/26/16                            | 04/27/16 02:43 | 3 1029  |
| PCB-1221                       | ND       | ug/100cm2      | 5.0     |        | 1          | 04/26/16                            | 04/27/16 02:43 | 3 1029  |
| PCB-1232                       | ND       | ug/100cm2      | 5.0     |        | 1          | 04/26/16                            | 04/27/16 02:43 | 3 1029  |
| PCB-1242                       | ND       | ug/100cm2      | 5.0     |        | 1          | 04/26/16                            | 04/27/16 02:43 | 3 1029  |
| PCB-1248                       | ND       | ug/100cm2      | 5.0     |        | 1          | 04/26/16                            | 04/27/16 02:43 | 3 1029  |
| PCB-1254                       | ND       | ug/100cm2      | 5.0     |        | 1          |                                     | 04/27/16 02:43 |         |
| PCB-1260                       | ND       | ug/100cm2      | 5.0     |        | 1          | 04/26/16                            | 04/27/16 02:43 | 1029    |
| Sample ID: CV-14               |          | Date/Time S    | ampled: | 04/20/ | 2016 14:00 | PSS Sampl                           | e ID: 1604220  | 5-014   |
| Matrix: WIPES                  |          | Date/Time Re   |         |        |            |                                     |                | , 0.4   |
| Polychlorinated Biphenyls      |          | al Method: SW- |         |        |            | Preparation Method                  |                |         |
|                                | Result   | Units          | RL      | Flag   | Dil        | Prepared                            | Analyzed       | Analyst |
| PCB-1016                       | ND       | ug/100cm2      | 5.0     |        | 1          | 04/26/16                            | 04/27/16 03:12 | 1029    |
| PCB-1221                       | ND       | ug/100cm2      | 5.0     |        | 1          | 04/26/16                            | 04/27/16 03:12 | 1029    |
| PCB-1232                       | ND       | ug/100cm2      | 5.0     |        | 1          | 04/26/16                            | 04/27/16 03:12 | 1029    |
| PCB-1242                       | ND       | ug/100cm2      | 5.0     |        | 1          | 04/26/16                            | 04/27/16 03:12 | 1029    |
| PCB-1248                       | ND       | ug/100cm2      | 5.0     |        | 1          | 04/26/16                            | 04/27/16 03:12 | 1029    |
| PCB-1254                       | ND       | ug/100cm2      | 5.0     |        | 1          | 04/26/16                            | 04/27/16 03:12 | 1029    |
| PCB-1260                       | ND I     | ug/100cm2      | 5.0     |        | 1          |                                     | 04/27/16 03:12 |         |
| Sample ID: CV-15 Matrix: WIPES |          | Date/Time Sa   |         |        |            |                                     | D: 16042205    | i-015   |
|                                |          | Date/Time Re   |         |        | 2016 08:55 |                                     |                |         |
| Polychlorinated Biphenyls      |          | al Method: SW- |         |        |            | Preparation Meth<br>Clean up Method |                |         |
| DOD 4040                       | Result   | Units          |         | Flag   | Dil        | Prepared                            | Analyzed       | Analyst |
| PCB-1016                       |          | ug/100cm2      | 5.0     |        | 1          |                                     | 04/27/16 03:12 |         |
| PCB-1221                       |          | ug/100cm2      | 5.0     |        | 1          | 04/26/16                            | 04/27/16 03:12 | 1029    |
| PCB-1232                       |          | ug/100cm2      | 5.0     |        | 1          | 04/26/16                            | 04/27/16 03:12 | 1029    |
| PCB-1242                       |          | ug/100cm2      | 5.0     |        | 1          | 04/26/16                            | 04/27/16 03:12 | 1029    |
| PCB-1248                       |          | ıg/100cm2      | 5.0     |        | 1          | 04/26/16                            | 04/27/16 03:12 | 1029    |
| PCB-1254                       |          | ıg/100cm2      | 5.0     |        | 1          | 04/26/16                            | 04/27/16 03:12 | 1029    |
| PCB-1260                       | ND u     | ıg/100cm2      | 5.0     |        | 1          | 04/26/16                            | 04/27/16 03:12 | 1029    |

### PHASE SEPARATION SCIENCE, INC.



**CERTIFICATE OF ANALYSIS** 

No: 16042205

ACE Environmental, Baltimore, MD

May 2, 2016

| Sample ID: CV-16<br>Matrix: WIPES |          |               | Sampled:   |         |            | a the contract of the contract | e ID: 1604220  | 5-016   |
|-----------------------------------|----------|---------------|------------|---------|------------|--|----------------|---------|
| Polychlorinated Biphenyls         | Analytic | cal Method: S |            |         |            | Preparation Met  |                |         |
|                                   | Result   | Units         | RL         | Flag    | Dil        | Prepared   | Analyzed       | Analyst |
| PCB-1016                          | ND       | ug/100cm2     | 5.0        |         | 1          | 04/26/16   | 04/27/16 03:41 |         |
| PCB-1221                          | ND       | ug/100cm2     | 5.0        |         | 1          | 04/26/16   | 04/27/16 03:41 | 1029    |
| PCB-1232                          | ND       | ug/100cm2     | 5.0        |         | 1          | 04/26/16   | 04/27/16 03:41 | 1029    |
| PCB-1242                          | ND       | ug/100cm2     | 5.0        |         | 1          | 04/26/16   | 04/27/16 03:41 | 1029    |
| PCB-1248                          | ND       | ug/100cm2     | 5.0        |         | 1          | 04/26/16   | 04/27/16 03:41 | 1029    |
| PCB-1254                          | ND       | ug/100cm2     | 5.0        |         | 1          | 04/26/16   | 04/27/16 03:41 | 1029    |
| PCB-1260                          | 20       | ug/100cm2     | 5.0        |         | 1          | 04/26/16   | 04/27/16 03:41 | 1029    |
| Sample ID: CV-17                  |          | Date/Time     | Sampled:   | 04/20/  | 2016 14:00 | PSS Sample   | e ID: 1604220  | 5-017   |
| Matrix: WIPES                     |          |               | Received:  |         |            |  |                |         |
| Polychlorinated Biphenyls         | Analytic | al Method: S  |            |         |            | Preparation Meth   |                |         |
|                                   | Result   | Units         | RL         | Flag    | Dil        | Prepared   | Analyzed       | Analyst |
| PCB-1016                          | ND       | ug/100cm2     | 5.0        |         | 1          | 04/26/16   | 04/27/16 03:41 | 1029    |
| PCB-1221                          | ND       | ug/100cm2     | 5.0        |         | 1          | 04/26/16   | 04/27/16 03:41 | 1029    |
| PCB-1232                          | ND       | ug/100cm2     | 5.0        |         | 1          | 04/26/16   | 04/27/16 03:41 | 1029    |
| PCB-1242                          | ND       | ug/100cm2     | 5.0        |         | 1          | 04/26/16   | 04/27/16 03:41 | 1029    |
| PCB-1248                          | ND       | ug/100cm2     | 5.0        |         | 1          | 04/26/16   | 04/27/16 03:41 | 1029    |
| PCB-1254                          | ND       | ug/100cm2     | 5.0        |         | 1          | 04/26/16   | 04/27/16 03:41 | 1029    |
| PCB-1260                          | ND       | ug/100cm2     | 5.0        |         | 1          | 04/26/16   | 04/27/16 03:41 | 1029    |
| Sample ID: CV-18                  |          | Date/Time     | Sampled:   | 04/20/2 | 2016 14:00 | PSS Sample   | D: 16042205    | -018    |
| Matrix: WIPES                     |          | Date/Time     | Received:  | 04/22/2 | 2016 08:55 |  |                |         |
| Polychlorinated Biphenyls         | Analytic | al Method: S  | W-846 8082 | Α       |            | Preparation Meth<br>Clean up Method  |                |         |
|                                   | Result   | Units         | RL         | Flag    | Dil        | Prepared   | Analyzed       | Analyst |
| PCB-1016                          | ND       | ug/100cm2     | 5.0        |         | 1          | 04/26/16   | 04/26/16 21:25 | 1029    |
| PCB-1221                          | ND       | ug/100cm2     | 5.0        |         | 1          | 04/26/16   | 04/26/16 21:25 | 1029    |
| PCB-1232                          | ND       | ug/100cm2     | 5.0        |         | 1          | 04/26/16   | 04/26/16 21:25 | 1029    |
| PCB-1242                          | ND       | ug/100cm2     | 5.0        |         | 1          | 04/26/16   | 04/26/16 21:25 | 1029    |
| PCB-1248                          | ND       | ug/100cm2     | 5.0        |         | 1          | 04/26/16   | 04/26/16 21:25 | 1029    |
| PCB-1254                          | ND       | ug/100cm2     | 5.0        |         | 1          | 04/26/16   | 04/26/16 21:25 | 1029    |
| PCB-1260                          | ND       | ug/100cm2     | 5.0        |         | 1          | 04/26/16   | 04/26/16 21:25 | 1029    |

### PHASE SEPARATION SCIENCE, INC.



#### CERTIFICATE OF ANALYSIS

No: 16042205

ACE Environmental, Baltimore, MD

May 2, 2016

| Sample ID: CV-19 Matrix: WIPES |          |              | e Sampled:<br>Received: |          |           | A STATE OF THE PARTY OF THE PAR | le ID: 1604220                       | 5-019   |
|--------------------------------|----------|--------------|-------------------------|----------|-----------|--|--------------------------------------|---------|
| Polychlorinated Biphenyls      | Analytic | cal Method:  | SW-846 8082             | ? A      |           | Preparation Met  | hod: SW3550C<br>d: SW846 3665A       |         |
|                                | Result   | Units        | RL                      | Flag     | Dil       | Prepared   |                                      | Analyst |
| PCB-1016                       | ND       | ug/100cm2    | 5.0                     |          | 1         | 04/26/16   | 04/26/16 21:54                       | 1029    |
| PCB-1221                       | ND       | ug/100cm2    | 5.0                     |          | 1         | 04/26/16   | 04/26/16 21:54                       | 1029    |
| PCB-1232                       | ND       | ug/100cm2    | 5.0                     |          | 1         | 04/26/16   | 04/26/16 21:54                       | 1029    |
| PCB-1242                       | ND       | ug/100cm2    | 5.0                     |          | 1         | 04/26/16   | 04/26/16 21:54                       | 1029    |
| PCB-1248                       | ND       | ug/100cm2    | 5.0                     |          | 1         | 04/26/16   | 04/26/16 21:54                       | 1029    |
| PCB-1254                       | ND       | ug/100cm2    | 5.0                     |          | 1         | 04/26/16   | 04/26/16 21:54                       | 1029    |
| PCB-1260                       | 17       | ug/100cm2    | 5.0                     |          | 1         | 04/26/16   | 04/26/16 21:54                       | 1029    |
| Sample ID: CV-20               |          | Date/Time    | Sampled:                | 04/20/20 | 016 14:00 |  | e ID: 16042205                       |         |
| Matrix: WIPES                  |          |              | Received:               |          |           |  |                                      |         |
| Polychlorinated Biphenyls      | Analytic | al Method: S | SW-846 8082             | Α        |           | Preparation Method   | nod: SW3550C<br>I: SW846 3665A       |         |
|                                | Result   | Units        | RL                      | Flag     | Dil       | Prepared   |                                      | Analyst |
| PCB-1016                       | ND       | ug/100cm2    | 5.0                     |          | 1         | 04/26/16   | 04/26/16 22:23                       | 1029    |
| PCB-1221                       | ND       | ug/100cm2    | 5.0                     |          | 1         | 04/26/16   | 04/26/16 22:23                       | 1029    |
| PCB-1232                       | ND       | ug/100cm2    | 5.0                     |          | 1         | 04/26/16   | 04/26/16 22:23                       | 1029    |
| PCB-1242                       | ND       | ug/100cm2    | 5.0                     |          | 1         |  | 04/26/16 22:23                       |         |
| PCB-1248                       | ND       | ug/100cm2    | 5.0                     |          | 1         | 04/26/16   | 04/26/16 22:23                       | 1029    |
| PCB-1254                       | ND       | ug/100cm2    | 5.0                     |          | 1         |  | 04/26/16 22:23                       |         |
| PCB-1260                       | 32       | ug/100cm2    | 5.0                     |          | 1         |  | 04/26/16 22:23                       |         |
| Sample ID: CV-21               |          | Date/Time    | Sampled:                | 04/20/20 | 16 14:00  |  | D: 16042205                          |         |
| Matrix: WIPES                  |          |              | Received:               |          |           |  |                                      |         |
| Polychlorinated Biphenyls      |          |              | W-846 8082              |          | P         | Preparation Meth   |                                      |         |
|                                | Result   | Units        | RL                      | Flag [   | Dil       | Prepared   | and the control of the second second | Analyst |
| PCB-1016                       | ND       | ug/100cm2    | 5.0                     |          | 1         | 04/27/16   | 04/29/16 15:13                       | -       |
| PCB-1221                       | ND I     | ug/100cm2    | 5.0                     |          | 1         |  | 04/29/16 15:13                       |         |
| PCB-1232                       | ND I     | ug/100cm2    | 5.0                     |          | 1         | 04/27/16   | 04/29/16 15:13                       | 1029    |
| PCB-1242                       | ND I     | ug/100cm2    | 5.0                     |          | 1         |  | 04/29/16 15:13                       |         |
| PCB-1248                       | ND I     | ug/100cm2    | 5.0                     |          | 1         |  | 04/29/16 15:13                       |         |
| PCB-1254                       | ND t     | ug/100cm2    | 5.0                     |          | 1         |  | 04/29/16 15:13                       |         |
| PCB-1260                       | ND t     | ug/100cm2    | 5.0                     |          | 1         |  | 04/29/16 15:13                       |         |

## PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 16042205

ACE Environmental, Baltimore, MD

May 2, 2016

| Sample ID: CV-22<br>Matrix: WIPES |          | Date/Time     |           |         |            |                                     | e ID: 1604220  | 5-022        |
|-----------------------------------|----------|---------------|-----------|---------|------------|-------------------------------------|--|--------------|
| Polychlorinated Biphenyls         | Analytic | al Method: S  |           |         |            | Preparation Met<br>Clean up Method  |  | en melberer. |
|                                   | Result   | Units         | RL        | Flag    | Dil        | Prepared                            | Analyzed   | Analyst      |
| PCB-1016                          | ND       | ug/100cm2     | 5.0       |         | 1          | 04/27/16                            | 04/29/16 15:42   | 1029         |
| PCB-1221                          | ND       | ug/100cm2     | 5.0       |         | 1          | 04/27/16                            | 04/29/16 15:42   | 1029         |
| PCB-1232                          | ND       | ug/100cm2     | 5.0       |         | 1          |                                     | 04/29/16 15:42   |              |
| PCB-1242                          | ND       | ug/100cm2     | 5.0       |         | 1          | 04/27/16                            | 04/29/16 15:42   | 1029         |
| PCB-1248                          | ND       | ug/100cm2     | 5.0       |         | 1          | 04/27/16                            | 04/29/16 15:42   | 1029         |
| PCB-1254                          | ND       | ug/100cm2     | 5.0       |         | 1          | 04/27/16                            | 04/29/16 15:42   | 1029         |
| PCB-1260                          | 65       | ug/100cm2     | 5.0       |         | 1          | 04/27/16                            | 04/29/16 15:42   | 1029         |
| Sample ID: CV-23                  |          | Date/Time     | Sampled:  | 04/20/2 | 2016 14:00 |                                     | e ID: 16042205   |              |
| Matrix: WIPES                     |          | Date/Time     |           |         |            |                                     |  |              |
| Polychlorinated Biphenyls         | Analytic | al Method: S\ |           |         |            | Preparation Method                  |  |              |
|                                   | Result   | Units         | RL        | Flag    | Dil        | Prepared                            | menter francisco francisco de la constitución  | Analyst      |
| PCB-1016                          | ND       | ug/100cm2     | 5.0       | - A     | 1          | 04/27/16                            | 04/29/16 16:11   |              |
| PCB-1221                          | ND       | ug/100cm2     | 5.0       |         | 1          | 04/27/16                            | 04/29/16 16:11   | 1029         |
| PCB-1232                          | ND       | ug/100cm2     | 5.0       |         | 1          | 04/27/16                            | 04/29/16 16:11   | 1029         |
| PCB-1242                          | ND       | ug/100cm2     | 5.0       |         | 1          | 04/27/16                            | 04/29/16 16:11   |              |
| PCB-1248                          | ND       | ug/100cm2     | 5.0       |         | 1          |                                     | 04/29/16 16:11   |              |
| PCB-1254                          | ND       | ug/100cm2     | 5.0       |         | 1          |                                     | 04/29/16 16:11   |              |
| PCB-1260                          | 7.4      | ug/100cm2     | 5.0       |         | 1          | 04/27/16                            | 04/29/16 16:11   | 1029         |
| Sample ID: CV-24                  |          | Date/Time     | Sampled:  | 04/20/2 | 2016 14:00 | PSS Sample                          | D: 16042205  | -024         |
| Matrix: WIPES                     |          | Date/Time I   | Received: | 04/22/2 | 2016 08:55 |                                     |  |              |
| Polychlorinated Biphenyls         |          | al Method: SV |           |         |            | Preparation Meth<br>Clean up Method |  |              |
|                                   | Result   | Units         | RL        | Flag    | Dil        | Prepared                            | A TOTAL PROPERTY AND A STANFARD OF THE STANFAR | Analyst      |
| PCB-1016                          | ND       | ug/100cm2     | 5.0       |         | 1          | 04/27/16                            | 04/29/16 17:08   | 1029         |
| PCB-1221                          | ND       | ug/100cm2     | 5.0       |         | 1          | 04/27/16                            | 04/29/16 17:08   | 1029         |
| PCB-1232                          | ND       | ug/100cm2     | 5.0       |         | 1          | 04/27/16                            | 04/29/16 17:08   | 1029         |
| PCB-1242                          | ND       | ug/100cm2     | 5.0       |         | 1          | 04/27/16                            | 04/29/16 17:08   | 1029         |
| PCB-1248                          | ND       | ug/100cm2     | 5.0       |         | 1          | 04/27/16                            | 04/29/16 17:08   | 1029         |
| PCB-1254                          | ND I     | ug/100cm2     | 5.0       |         | 1          | 04/27/16                            | 04/29/16 17:08   | 1029         |
| PCB-1260                          | ND I     | ug/100cm2     | 5.0       |         | 1          | 04/27/16                            | 04/29/16 17:08   | 1029         |

## PHASE SEPARATION SCIENCE, INC.



#### CERTIFICATE OF ANALYSIS

No: 16042205

ACE Environmental, Baltimore, MD

May 2, 2016

| Sample ID: CV-25 Matrix: WIPES    |           | Date/Time S                  |           |         |           |                                     | le ID: 1604220 | 5-025         |
|-----------------------------------|-----------|------------------------------|-----------|---------|-----------|-------------------------------------|----------------|---------------|
| Polychlorinated Biphenyls         | Analytic  | al Method: SW                | -846 8082 | Α       |           | Preparation Met<br>Clean up Method  |                | jimaazen euro |
|                                   | Result    | Units                        | RL        | Flag    | Dil       | Prepared                            | Analyzed       | Analyst       |
| PCB-1016                          | ND        | ug/100cm2                    | 5.0       |         | 1         | 04/27/16                            | 04/29/16 17:08 | 1029          |
| PCB-1221                          | ND        | ug/100cm2                    | 5.0       |         | 1         | 04/27/16                            | 04/29/16 17:08 | 1029          |
| PCB-1232                          | ND        | ug/100cm2                    | 5.0       |         | 1         | 04/27/16                            | 04/29/16 17:08 | 1029          |
| PCB-1242                          | ND        | ug/100cm2                    | 5.0       |         | 1         | 04/27/16                            | 04/29/16 17:08 | 1029          |
| PCB-1248                          | ND        | ug/100cm2                    | 5.0       |         | 1         | 04/27/16                            | 04/29/16 17:08 | 1029          |
| PCB-1254                          | ND        | ug/100cm2                    | 5.0       |         | 1         | 04/27/16                            | 04/29/16 17:08 | 1029          |
| PCB-1260                          | ND        | ug/100cm2                    | 5.0       |         | 1         | 04/27/16                            | 04/29/16 17:08 | 1029          |
| Sample ID: CV-26                  |           | Date/Time S                  | ampled:   | 04/21/2 | 2016 09:2 | 5 PSS Sampl                         | e ID: 16042205 | 5-026         |
| Matrix: WIPES                     |           | Date/Time Re                 | eceived:  | 04/22/2 | 2016 08:5 |                                     |                |               |
| Polychlorinated Biphenyls         | Analytica | al Method: SW-               | 846 8082  | Α       |           | Preparation Method                  |                |               |
|                                   | Result    | Units                        | RL        | Flag    | Dil       | Prepared                            | Analyzed       | Analyst       |
| PCB-1016                          | ND        | ug/100cm2                    | 5.0       |         | 1         | 04/27/16                            | 04/29/16 17:37 | 1029          |
| PCB-1221                          | ND        | ug/100cm2                    | 5.0       |         | 1         | 04/27/16                            | 04/29/16 17:37 | 1029          |
| PCB-1232                          | ND        | ug/100cm2                    | 5.0       |         | 1         | 04/27/16                            | 04/29/16 17:37 | 1029          |
| PCB-1242                          | ND        | ug/100cm2                    | 5.0       |         | 1         | 04/27/16                            | 04/29/16 17:37 | 1029          |
| PCB-1248                          | ND (      | ug/100cm2                    | 5.0       |         | 1         | 04/27/16                            | 04/29/16 17:37 | 1029          |
| PCB-1254                          | ND I      | ug/100cm2                    | 5.0       |         | 1         | 04/27/16                            | 04/29/16 17:37 | 1029          |
| PCB-1260                          | ND I      | ug/100cm2                    | 5.0       |         | 1         | 04/27/16                            | 04/29/16 17:37 | 1029          |
| Sample ID: CV-27<br>Matrix: WIPES |           | Date/Time Sa<br>Date/Time Re |           |         |           |                                     | e ID: 16042205 | -027          |
| Polychlorinated Biphenyls         | Analytica | l Method: SW-                |           |         |           | Preparation Meth<br>Clean up Method |                |               |
|                                   | Result    | Units                        | RL        | Flag    | Dil       | Prepared                            | 2              | Analyst       |
| PCB-1016                          |           | ıg/100cm2                    | 5.0       |         | 1         | 04/27/16                            | 04/29/16 17:37 | 1029          |
| PCB-1221                          | ND t      | ıg/100cm2                    | 5.0       |         | 1         | 04/27/16                            | 04/29/16 17:37 | 1029          |
| PCB-1232                          | ND t      | ıg/100cm2                    | 5.0       |         | 1         | 04/27/16                            | 04/29/16 17:37 | 1029          |
| PCB-1242                          | ND t      | ıg/100cm2                    | 5.0       |         | 1         | 04/27/16                            | 04/29/16 17:37 | 1029          |
| PCB-1248                          | ND t      | ıg/100cm2                    | 5.0       |         | 1         | 04/27/16                            | 04/29/16 17:37 | 1029          |
| PCB-1254                          | ND t      | ıg/100cm2                    | 5.0       |         | 1         | 04/27/16                            | 04/29/16 17:37 | 1029          |
| PCB-1260                          | ND t      | ıg/100cm2                    | 5.0       |         | 1         | 04/27/16                            | 04/29/16 17:37 | 1029          |

## PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 16042205

ACE Environmental, Baltimore, MD

May 2, 2016

| Sample ID: CV-28 Matrix: WIPES |          | Date/Time Sa     | The state of the s |         | Contract of the state of the st |                                     | e ID: 1604220                  | 5-028   |
|--------------------------------|----------|------------------|--|---------|--|-------------------------------------|--------------------------------|---------|
| Polychlorinated Biphenyls      | Analyti  | cal Method: SW-  | 846 8082   | Α       |  | Preparation Metl                    | hod: SW3550C<br>d: SW846 3665A |         |
|                                | Resul    | t Units          | RL   | Flag    | Dil  | Prepared                            | Analyzed                       | Analyst |
| PCB-1016                       | ND       | ug/100cm2        | 5.0  |         | 1  | 04/27/16                            | 04/29/16 18:06                 | 1029    |
| PCB-1221                       | ND       | ug/100cm2        | 5.0  |         | 1  | 04/27/16                            | 04/29/16 18:06                 | 1029    |
| PCB-1232                       | ND       | ug/100cm2        | 5.0  |         | 1  | 04/27/16                            | 04/29/16 18:06                 | 1029    |
| PCB-1242                       | ND       | ug/100cm2        | 5.0  |         | 1  | 04/27/16                            | 04/29/16 18:06                 | 1029    |
| PCB-1248                       | ND       | ug/100cm2        | 5.0  |         | 1  | 04/27/16                            | 04/29/16 18:06                 | 1029    |
| PCB-1254                       | ND       | ug/100cm2        | 5.0  |         | 1  | 04/27/16                            | 04/29/16 18:06                 | 1029    |
| PCB-1260                       | ND       | ug/100cm2        | 5.0  |         | 1  | 04/27/16                            | 04/29/16 18:06                 | 1029    |
| Sample ID: CV-29               |          | Date/Time Sa     | mpled:   | 04/21/  | 2016 09:25   |                                     | e ID: 16042205                 |         |
| Matrix: WIPES                  |          | Date/Time Re     |  |         |  |                                     |                                |         |
| Polychlorinated Biphenyls      | Analytic | cal Method: SW-8 |  |         | 1  | Preparation Meth                    | nod: SW3550C                   |         |
| :                              | Result   | Units            | RL   | Flag    | Dil  | Prepared                            |                                | Analyst |
| PCB-1016                       | ND       | ug/100cm2        | 5.0  |         | 1  | 04/27/16                            | 04/29/16 18:06                 | 1029    |
| PCB-1221                       | ND       | ug/100cm2        | 5.0  |         | 1  | 04/27/16                            | 04/29/16 18:06                 | 1029    |
| PCB-1232                       | ND       | ug/100cm2        | 5.0  |         | 1  | 04/27/16                            | 04/29/16 18:06                 | 1029    |
| PCB-1242                       | ND       | ug/100cm2        | 5.0  |         | 1  | 04/27/16                            | 04/29/16 18:06                 | 1029    |
| PCB-1248                       | ND       | ug/100cm2        | 5.0  |         | 1  | 04/27/16                            | 04/29/16 18:06                 | 1029    |
| PCB-1254                       | ND       | ug/100cm2        | 5.0  |         | 1  | 04/27/16                            | 04/29/16 18:06                 | 1029    |
| PCB-1260                       | ND       | ug/100cm2        | 5.0  |         | 1  | 04/27/16                            | 04/29/16 18:06                 | 1029    |
| Sample ID: CV-30               |          | Date/Time Sa     | mpled:   | 04/21/2 | 2016 09:25   | PSS Sample                          | D: 16042205                    | -030    |
| Matrix: WIPES                  |          | Date/Time Red    | eived:   | 04/22/2 | 2016 08:55   |                                     |                                |         |
| Polychlorinated Biphenyls      | Analytic | al Method: SW-8  |  |         | F  | Preparation Meth<br>Clean up Method |                                |         |
|                                | Result   | Units            | RL   | Flag    | Dil  | Prepared                            |                                | Analyst |
| PCB-1016                       | ND       | ug/100cm2        | 5.0  |         | 1  | 04/27/16                            | 04/29/16 18:35                 | 1029    |
| PCB-1221                       | ND       | ug/100cm2        | 5.0  |         | 1  | 04/27/16                            | 04/29/16 18:35                 | 1029    |
| PCB-1232                       | ND       | ug/100cm2        | 5.0  |         | 1  | 04/27/16                            | 04/29/16 18:35                 | 1029    |
| PCB-1242                       | ND       | ug/100cm2        | 5.0  |         | 1  | 04/27/16                            | 04/29/16 18:35                 | 1029    |
| PCB-1248                       | ND       | ug/100cm2        | 5.0  |         | 1  | 04/27/16                            | 04/29/16 18:35                 | 1029    |
| PCB-1254                       | ND       | ug/100cm2        | 5.0  |         | 1  | 04/27/16                            | 04/29/16 18:35                 | 1029    |
| PCB-1260                       | ND       | ug/100cm2        | 5.0  |         | 1  | 04/27/16                            | 04/29/16 18:35                 | 1029    |

### PHASE SEPARATION SCIENCE, INC.



**CERTIFICATE OF ANALYSIS** 

No: 16042205

ACE Environmental, Baltimore, MD

May 2, 2016

| Sample ID: CV-31<br>Matrix: WIPES |          |               | THE PROPERTY OF A |         | /2016 09:25<br>/2016 08:55 | IN APPEARANCE HARRING TO THE       | le ID: 1604220                 | 5-031   |
|-----------------------------------|----------|---------------|-------------------|---------|----------------------------|------------------------------------|--------------------------------|---------|
| Polychlorinated Biphenyls         | Analytic | cal Method: § | SW-846 8082       | : A     |                            | Preparation Met<br>Clean up Method | hod: SW3550C<br>d: SW846 3665A | 4       |
|                                   | Result   | Units         | RL                | Flag    | Dil                        | Prepared                           | Analyzed                       | Analyst |
| PCB-1016                          | ND       | ug/100cm2     | 5.0               |         | 1                          | 04/27/16                           | 04/29/16 18:35                 | 5 1029  |
| PCB-1221                          | ND       | ug/100cm2     | 5.0               |         | 1                          | 04/27/16                           | 04/29/16 18:35                 | 5 1029  |
| PCB-1232                          | ND       | ug/100cm2     | 5.0               |         | 1                          | 04/27/16                           | 04/29/16 18:35                 | 5 1029  |
| PCB-1242                          | ND       | ug/100cm2     | 5.0               |         | 1                          | 04/27/16                           | 04/29/16 18:35                 | 5 1029  |
| PCB-1248                          | ND       | ug/100cm2     | 5.0               |         | 1                          | 04/27/16                           | 04/29/16 18:35                 | 5 1029  |
| PCB-1254                          | ND       | ug/100cm2     | 5.0               |         | 1                          | 04/27/16                           | 04/29/16 18:35                 | 5 1029  |
| PCB-1260                          | ND       | ug/100cm2     | 5.0               |         | 1                          | 04/27/16                           | 04/29/16 18:35                 | 1029    |
| Sample ID: CV-32                  |          | Date/Time     | Sampled:          | 04/21/  | 2016 09:25                 |                                    | e ID: 1604220                  |         |
| Matrix: WIPES                     |          | Date/Time     | Received:         | 04/22/  | 2016 08:55                 |                                    |                                |         |
| Polychlorinated Biphenyls         | Analytic |               | W-846 8082        |         | F                          | Preparation Method                 | nod: SW3550C<br>I: SW846 3665A |         |
|                                   | Result   | Units         | RL                | Flag    | Dil                        | Prepared                           | Analyzed                       | Analyst |
| PCB-1016                          | ND       | ug/100cm2     | 5.0               |         | 1                          | 04/27/16                           | 04/29/16 19:04                 | 1029    |
| PCB-1221                          | ND       | ug/100cm2     | 5.0               |         | 1                          | 04/27/16                           | 04/29/16 19:04                 | 1029    |
| PCB-1232                          | ND       | ug/100cm2     | 5.0               |         | 1                          | 04/27/16                           | 04/29/16 19:04                 | 1029    |
| PCB-1242                          | ND       | ug/100cm2     | 5.0               |         | 1                          | 04/27/16                           | 04/29/16 19:04                 | 1029    |
| PCB-1248                          | ND       | ug/100cm2     | 5.0               |         | 1                          | 04/27/16                           | 04/29/16 19:04                 | 1029    |
| PCB-1254                          | ND       | ug/100cm2     | 5.0               |         | 1                          | 04/27/16                           | 04/29/16 19:04                 | 1029    |
| PCB-1260                          | ND       | ug/100cm2     | 5.0               |         | 1                          | 04/27/16                           | 04/29/16 19:04                 | 1029    |
| Sample ID: CV-33                  |          | Date/Time     | Sampled:          | 04/21/2 | 2016 09:25                 | PSS Sample                         | D: 16042205                    | j-033   |
| Matrix: WIPES                     |          | Date/Time     | Received:         | 04/22/2 | 2016 08:55                 |                                    |                                |         |
| Polychlorinated Biphenyls         | Analytic | al Method: S  | W-846 8082        | Α       |                            | reparation Meth<br>lean up Method  |                                |         |
|                                   | Result   | Units         | RL                | Flag    | Dil                        | Prepared                           | 4                              | Analyst |
| PCB-1016                          | ND       | ug/100cm2     | 5.0               |         | 1                          | 04/27/16                           | 04/29/16 19:04                 | 1029    |
| PCB-1221                          | ND       | ug/100cm2     | 5.0               |         | 1                          | 04/27/16                           | 04/29/16 19:04                 | 1029    |
| PCB-1232                          | ND       | ug/100cm2     | 5.0               |         | 1                          | 04/27/16                           | 04/29/16 19:04                 | 1029    |
| PCB-1242                          | ND       | ug/100cm2     | 5.0               |         | 1                          | 04/27/16                           | 04/29/16 19:04                 | 1029    |
| PCB-1248                          | ND       | ug/100cm2     | 5.0               |         | 1                          | 04/27/16                           | 04/29/16 19:04                 | 1029    |
| PCB-1254                          | ND I     | ug/100cm2     | 5.0               |         | 1                          | 04/27/16                           | 04/29/16 19:04                 | 1029    |
| PCB-1260                          | ND (     | ug/100cm2     | 5.0               |         | 1                          |                                    | 04/29/16 19:04                 |         |

### PHASE SEPARATION SCIENCE, INC.



**CERTIFICATE OF ANALYSIS** 

No: 16042205

ACE Environmental, Baltimore, MD

May 2, 2016

| Sample ID: CV-34<br>Matrix: WIPES |           | Date/Time S   | and the same of th |         |            | The state of the s | e ID: 16042205                 | 5-034   |
|-----------------------------------|-----------|---------------|--|---------|------------|--|--------------------------------|---------|
| Polychlorinated Biphenyls         | Analytic  | al Method: SW |  |         |            | Preparation Met  | hod: SW3550C<br>d: SW846 3665A |         |
|                                   | Result    | Units         | RL   | Flag    | Dil        | Prepared   | Analyzed                       | Analyst |
| PCB-1016                          | ND        | ug/100cm2     | 5.0  |         | 1          | 04/27/16   | 04/29/16 19:32                 | 1029    |
| PCB-1221                          | ND        | ug/100cm2     | 5.0  |         | 1          | 04/27/16   | 04/29/16 19:32                 | 1029    |
| PCB-1232                          | ND        | ug/100cm2     | 5.0  |         | 1          | 04/27/16   | 04/29/16 19:32                 | 1029    |
| PCB-1242                          | ND        | ug/100cm2     | 5.0  |         | 1          | 04/27/16   | 04/29/16 19:32                 | 1029    |
| PCB-1248                          | ND        | ug/100cm2     | 5.0  |         | 1          | 04/27/16   | 04/29/16 19:32                 | 1029    |
| PCB-1254                          | ND        | ug/100cm2     | 5.0  |         | 1          | 04/27/16   | 04/29/16 19:32                 | 1029    |
| PCB-1260                          | ND        | ug/100cm2     | 5.0  |         | 1          | 04/27/16   | 04/29/16 19:32                 | 1029    |
| Sample ID: CV-35                  |           | Date/Time S   | Sampled:   | 04/21/  | 2016 09:25 | PSS Sampl  | e ID: 16042205                 | -035    |
| Matrix: WIPES                     |           | Date/Time R   | eceived:   | 04/22/  | 2016 08:55 |  |                                |         |
| Polychlorinated Biphenyls         |           | al Method: SW |  |         |            | Preparation Meth   | nod: SW3550C<br>I: SW846 3665A |         |
|                                   | Result    | Units         | RL   | Flag    | Dil        | Prepared   | 27 2                           | Analyst |
| PCB-1016                          | ND        | ug/100cm2     | 5.0  |         | 1          | 04/27/16   | 04/29/16 19:32                 | 1029    |
| PCB-1221                          | ND        | ug/100cm2     | 5.0  |         | 1          | 04/27/16   | 04/29/16 19:32                 | 1029    |
| PCB-1232                          | ND        | ug/100cm2     | 5.0  |         | 1          | 04/27/16   | 04/29/16 19:32                 | 1029    |
| PCB-1242                          | ND        | ug/100cm2     | 5.0  |         | 1          | 04/27/16   | 04/29/16 19:32                 | 1029    |
| PCB-1248                          | ND        | ug/100cm2     | 5.0  |         | 1          | 04/27/16   | 04/29/16 19:32                 | 1029    |
| PCB-1254                          | ND        | ug/100cm2     | 5.0  |         | 1          | 04/27/16   | 04/29/16 19:32                 | 1029    |
| PCB-1260                          | ND        | ug/100cm2     | 5.0  |         | 1          | 04/27/16   | 04/29/16 19:32                 | 1029    |
| Sample ID: CV-36                  |           | Date/Time S   | ampled:  | 04/21/2 | 2016 09:25 | PSS Sample   | D: 16042205                    | -036    |
| Matrix: WIPES                     |           | Date/Time R   | eceived:   | 04/22/2 | 2016 08:55 |  |                                |         |
| Polychlorinated Biphenyls         | Analytica | al Method: SW | -846 8082  | A       |            | Preparation Meth<br>Clean up Method  |                                |         |
|                                   | Result    | Units         | RL   | Flag    | Dil        | Prepared   | Analyzed /                     | Analyst |
| PCB-1016                          | ND I      | ug/100cm2     | 5.0  |         | 1          | 04/27/16   | 04/29/16 20:02                 | 1029    |
| PCB-1221                          | ND I      | ug/100cm2     | 5.0  |         | 1          | 04/27/16   | 04/29/16 20:02                 | 1029    |
| PCB-1232                          | ND I      | ug/100cm2     | 5.0  |         | 1          | 04/27/16   | 04/29/16 20:02                 | 1029    |
| PCB-1242                          | ND I      | ug/100cm2     | 5.0  |         | 1          | 04/27/16   | 04/29/16 20:02                 | 1029    |
| PCB-1248                          | ND I      | ug/100cm2     | 5.0  |         | 1          | 04/27/16   | 04/29/16 20:02                 | 1029    |
| PCB-1254                          | ND I      | ug/100cm2     | 5.0  |         | 1          | 04/27/16   | 04/29/16 20:02                 | 1029    |
| PCB-1260                          | ND I      | ug/100cm2     | 5.0  |         | 1          | 04/27/16   | 04/29/16 20:02                 | 1029    |

### PHASE SEPARATION SCIENCE, INC.



#### **CERTIFICATE OF ANALYSIS**

No: 16042205

ACE Environmental, Baltimore, MD

May 2, 2016

| Sample ID: CV-37 Matrix: WIPES |          | Date/Time     | -          |         | 2016 12:00<br>2016 08:55 |                                     | e ID: 1604220                  | 5-037        |
|--------------------------------|----------|---------------|------------|---------|--------------------------|-------------------------------------|--------------------------------|--------------|
| Polychlorinated Biphenyls      | Analyti  | cal Method: S | W-846 8082 | A       |                          | Preparation Met                     | hod: SW3550C<br>d: SW846 3665A |              |
|                                | Resul    | t Units       | RL         | Flag    | Dil                      | Prepared                            | Analyzed                       | Analyst      |
| PCB-1016                       | ND       | ug/100cm2     | 5.0        |         | 1                        | 04/27/16                            | 04/29/16 20:02                 | 1029         |
| PCB-1221                       | ND       | ug/100cm2     | 5.0        |         | 1                        | 04/27/16                            | 04/29/16 20:02                 | 1029         |
| PCB-1232                       | ND       | ug/100cm2     | 5.0        |         | 1                        | 04/27/16                            | 04/29/16 20:02                 | 1029         |
| PCB-1242                       | ND       | ug/100cm2     | 5.0        |         | 1                        | 04/27/16                            | 04/29/16 20:02                 | 1029         |
| PCB-1248                       | ND       | ug/100cm2     | 5.0        |         | 1                        | 04/27/16                            | 04/29/16 20:02                 | 1029         |
| PCB-1254                       | ND       | ug/100cm2     | 5.0        |         | 1                        | 04/27/16                            | 04/29/16 20:02                 | 1029         |
| PCB-1260                       | ND       | ug/100cm2     | 5.0        |         | 1                        | 04/27/16                            | 04/29/16 20:02                 | 1029         |
| Sample ID: CV-38               |          | Date/Time     | Sampled:   | 04/21/2 | 2016 12:00               | PSS Sample                          | e ID: 16042205                 | 5-038        |
| Matrix: WIPES                  |          | Date/Time     | Received:  | 04/22/2 | 2016 08:55               |                                     |                                |              |
| Polychlorinated Biphenyls      | Analytic | cal Method: S | W-846 8082 | Α       |                          | Preparation Meth                    | nod: SW3550C<br>I: SW846 3665A | The property |
| _                              | Result   | Units         | RL         | Flag    | Dil                      | Prepared                            |                                | Analyst      |
| PCB-1016                       | ND       | ug/100cm2     | 5.0        |         | 1                        | 04/27/16                            | 04/29/16 20:31                 | 1029         |
| PCB-1221                       | ND       | ug/100cm2     | 5.0        |         | 1                        | 04/27/16                            | 04/29/16 20:31                 | 1029         |
| PCB-1232                       | ND       | ug/100cm2     | 5.0        |         | 1                        | 04/27/16                            | 04/29/16 20:31                 | 1029         |
| PCB-1242                       | ND       | ug/100cm2     | 5.0        |         | 1                        | 04/27/16                            | 04/29/16 20:31                 | 1029         |
| PCB-1248                       | ND       | ug/100cm2     | 5.0        |         | 1                        | 04/27/16                            | 04/29/16 20:31                 | 1029         |
| PCB-1254                       | ND       | ug/100cm2     | 5.0        |         | 1                        | 04/27/16                            | 04/29/16 20:31                 | 1029         |
| PCB-1260                       | ND       | ug/100cm2     | 5.0        |         | 1                        | 04/27/16                            | 04/29/16 20:31                 | 1029         |
| Sample ID: CV-39               |          | Date/Time     | Sampled:   | 04/21/2 | 2016 12:00               |                                     | e ID: 16042205                 |              |
| Matrix: WIPES                  |          | Date/Time     | Received:  | 04/22/2 | 2016 08:55               |                                     |                                |              |
| Polychlorinated Biphenyls      | Analytic | al Method: S\ |            |         | F                        | Preparation Meth<br>Clean up Method |                                |              |
|                                | Result   | Units         | RL         | Flag    | Dil                      | Prepared                            |                                | Analyst      |
| PCB-1016                       | ND       | ug/100cm2     | 5.0        |         | 1                        | 04/27/16                            | 04/29/16 20:31                 | 1029         |
| PCB-1221                       | ND       | ug/100cm2     | 5.0        |         | 1                        | 04/27/16                            | 04/29/16 20:31                 | 1029         |
| PCB-1232                       | ND       | ug/100cm2     | 5.0        |         | 1                        | 04/27/16                            | 04/29/16 20:31                 | 1029         |
| PCB-1242                       | ND       | ug/100cm2     | 5.0        |         | 1                        | 04/27/16                            | 04/29/16 20:31                 | 1029         |
| PCB-1248                       | ND       | ug/100cm2     | 5.0        |         | 1                        | 04/27/16                            | 04/29/16 20:31                 | 1029         |
| PCB-1254                       | ND       | ug/100cm2     | 5.0        |         | 1                        |                                     | 04/29/16 20:31                 | 1029         |
| PCB-1260                       | ND       | ug/100cm2     | 5.0        |         | 1                        |                                     | 04/29/16 20:31                 |              |

### PHASE SEPARATION SCIENCE, INC.



#### CERTIFICATE OF ANALYSIS

No: 16042205

ACE Environmental, Baltimore, MD

May 2, 2016

| Sample ID: CV-40 Matrix: WIPES |           | Date/Time S                  |                       |         |  | Secretary of the Control of the Cont | le ID: 1604220                  | 5-040   |
|--------------------------------|-----------|------------------------------|-----------------------|---------|--|--|---------------------------------|---------|
|                                |           | Date/Time R                  |                       |         | 2016 08:5  | 5  |                                 |         |
| Polychlorinated Biphenyls      |           | al Method: SW                | -846 8082             | ? A     |  | Preparation Met<br>Clean up Method   | thod: SW3550C<br>d: SW846 3665A |         |
| DOD 1414                       | Result    |                              | RL                    | Flag    | Dil  | Prepared   | Analyzed                        | Analyst |
| PCB-1016                       | ND        | ug/100cm2                    | 5.0                   |         | 1  | 04/27/16   | 04/28/16 14:25                  | 1029    |
| PCB-1221                       | ND        | ug/100cm2                    | 5.0                   |         | 1  | 04/27/16   | 04/28/16 14:25                  | 1029    |
| PCB-1232                       | ND        | ug/100cm2                    | 5.0                   |         | 1  | 04/27/16   | 04/28/16 14:25                  | 1029    |
| PCB-1242                       | ND        | ug/100cm2                    | 5.0                   |         | 1  | 04/27/16   | 04/28/16 14:25                  | 1029    |
| PCB-1248                       | ND        | ug/100cm2                    | 5.0                   |         | 1  | 04/27/16   | 04/28/16 14:25                  | 1029    |
| PCB-1254                       | ND        | ug/100cm2                    | 5.0                   |         | 1  |  | 04/28/16 14:25                  |         |
| PCB-1260                       | ND        | ug/100cm2                    | 5.0                   |         | 1  |  | 04/28/16 14:25                  |         |
| Sample ID: CV-41               |           | Date/Time S                  | ampled:               | 04/21/  | 2016 12:00   |  | e ID: 16042205                  |         |
| Matrix: WIPES                  |           | Date/Time Re                 | And the second second |         |  |  | C ID. 1004220                   | 7-0-41  |
| Polychlorinated Biphenyls      |           | al Method: SW-               |                       |         |  | Preparation Meti   |                                 |         |
|                                | Result    | Units                        | RL                    | Flag    | Dil  | Prepared   | l: SW846 3665A<br>Analyzed      | 8 8     |
| PCB-1016                       | ND        | ug/100cm2                    | 5.0                   |         | 1  | 11110000   | 04/28/16 12:29                  | Analyst |
| PCB-1221                       |           | ug/100cm2                    | 5.0                   |         | 1  |  | 04/28/16 12:29                  |         |
| PCB-1232                       |           | ug/100cm2                    | 5.0                   |         | 1  |  | 04/28/16 12:29                  |         |
| PCB-1242                       |           | ug/100cm2                    | 5.0                   |         | 1  |  |                                 |         |
| PCB-1248                       |           | ug/100cm2                    | 5.0                   |         | 1  |  | 04/28/16 12:29                  |         |
| PCB-1254                       |           | ug/100cm2                    | 5.0                   |         | 1  |  | 04/28/16 12:29                  |         |
| PCB-1260                       |           | ug/100cm2                    | 5.0                   |         | 1  |  | 04/28/16 12:29                  | 1029    |
| Sample ID: CV-42               |           |                              | 13,4.5                | 0410416 | 27   |  | 04/28/16 12:29                  |         |
| Matrix: WIPES                  |           | Date/Time Sa<br>Date/Time Re |                       |         | The state of the s | PSS Sample   | D: 16042205                     | -042    |
| Polychlorinated Biphenyls      | Analytica | al Method: SW-8              | 846 8082              | Α       |  | Preparation Meth<br>Clean up Method  |                                 |         |
|                                | Result    | Units                        | RL                    | Flag    | Dil  | Prepared   |                                 | Analyst |
| PCB-1016                       | ND t      | ug/100cm2                    | 5.0                   |         | 1  |  | 04/28/16 12:58                  | 1029    |
| PCB-1221                       | ND t      | ıg/100cm2                    | 5.0                   |         | 1  |  | 04/28/16 12:58                  | 1029    |
| PCB-1232                       | ND t      | ıg/100cm2                    | 5.0                   |         | 1  |  | 04/28/16 12:58                  | 1029    |
| PCB-1242                       | ND t      | ıg/100cm2                    | 5.0                   |         | 1  |  | 04/28/16 12:58                  | 1029    |
| PCB-1248                       |           | ig/100cm2                    | 5.0                   |         | 1  |  | 04/28/16 12:58                  | 1029    |
| PCB-1254                       |           | ig/100cm2                    | 5.0                   |         | 1  |  | 04/28/16 12:58                  | 1029    |
| PCB-1260                       |           | g/100cm2                     | 5.0                   |         | 1  |  | 04/28/16 12:58                  |         |
|                                |           |                              |                       |         |  |  |                                 | . 020   |

### PHASE SEPARATION SCIENCE, INC.



#### **CERTIFICATE OF ANALYSIS**

No: 16042205

ACE Environmental, Baltimore, MD

May 2, 2016

| Sample ID: CV-43<br>Matrix: WIPES |          | Date/Time S   | -          |        |            |                                     | e ID: 1604220  | 5-043   |
|-----------------------------------|----------|---------------|------------|--------|------------|-------------------------------------|----------------|---------|
| Polychlorinated Biphenyls         | Analytic | al Method: SW | /-846 8082 | : A    |            | Preparation Met<br>Clean up Method  |                |         |
|                                   | Result   | Units         | RL         | Flag   | Dil        | Prepared                            | Analyzed       | Analyst |
| PCB-1016                          | ND       | ug/100cm2     | 5.0        |        | 1          | 04/27/16                            | 04/28/16 13:27 | 1029    |
| PCB-1221                          | ND       | ug/100cm2     | 5.0        |        | 1          | 04/27/16                            | 04/28/16 13:27 | 1029    |
| PCB-1232                          | ND       | ug/100cm2     | 5.0        |        | 1          | 04/27/16                            | 04/28/16 13:27 | 1029    |
| PCB-1242                          | ND       | ug/100cm2     | 5.0        |        | 1          | 04/27/16                            | 04/28/16 13:27 | 1029    |
| PCB-1248                          | ND       | ug/100cm2     | 5.0        |        | 1          | 04/27/16                            | 04/28/16 13:27 | 1029    |
| PCB-1254                          | ND       | ug/100cm2     | 5.0        |        | 1          | 04/27/16                            | 04/28/16 13:27 | 1029    |
| PCB-1260                          | ND       | ug/100cm2     | 5.0        |        | 1          | 04/27/16                            | 04/28/16 13:27 | 1029    |
| Sample ID: CV-44                  |          | Date/Time S   | Sampled:   | 04/21/ | 2016 12:00 | PSS Sample                          | e ID: 16042205 | 5-044   |
| Matrix: WIPES                     |          | Date/Time R   |            |        |            |                                     |                |         |
| Polychlorinated Biphenyls         | Analytic | al Method: SW |            |        |            | Preparation Meth<br>Clean up Method |                |         |
|                                   | Result   | Units         | RL         | Flag   | Dil        | Prepared                            | Analyzed       | Analyst |
| PCB-1016                          | ND       | ug/100cm2     | 5.0        |        | 1          | 04/27/16                            | 04/28/16 14:54 | 1029    |
| PCB-1221                          | ND       | ug/100cm2     | 5.0        |        | 1          | 04/27/16                            | 04/28/16 14:54 | 1029    |
| PCB-1232                          | ND       | ug/100cm2     | 5.0        |        | 1          | 04/27/16                            | 04/28/16 14:54 | 1029    |
| PCB-1242                          | ND       | ug/100cm2     | 5.0        |        | 1          | 04/27/16                            | 04/28/16 14:54 | 1029    |
| PCB-1248                          | ND       | ug/100cm2     | 5.0        |        | 1          | 04/27/16                            | 04/28/16 14:54 | 1029    |
| PCB-1254                          | ND       | ug/100cm2     | 5.0        |        | 1          | 04/27/16                            | 04/28/16 14:54 | 1029    |
| PCB-1260                          | ND       | ug/100cm2     | 5.0        |        | 1          | 04/27/16                            | 04/28/16 14:54 | 1029    |
| Sample ID: CV-45                  |          | Date/Time S   | ampled:    | 04/21/ | 2016 12:00 | PSS Sample                          | D: 16042205    | -045    |
| Matrix: WIPES                     |          | Date/Time R   | eceived:   | 04/22/ | 2016 08:55 |                                     |                |         |
| Polychlorinated Biphenyls         | Analytic | al Method: SW | -846 8082  | Α      |            | Preparation Meth<br>Clean up Method |                |         |
|                                   | Result   | Units         | RL         | Flag   | Dil        | Prepared                            | Analyzed       | Analyst |
| PCB-1016                          | ND       | ug/100cm2     | 5.0        |        | 1          | 04/27/16                            | 04/28/16 15:57 | 1029    |
| PCB-1221                          | ND       | ug/100cm2     | 5.0        |        | 1          | 04/27/16                            | 04/28/16 15:57 | 1029    |
| PCB-1232                          | ND       | ug/100cm2     | 5.0        |        | 1          | 04/27/16                            | 04/28/16 15:57 | 1029    |
| PCB-1242                          | ND       | ug/100cm2     | 5.0        |        | 1          | 04/27/16                            | 04/28/16 15:57 | 1029    |
| PCB-1248                          | ND       | ug/100cm2     | 5.0        |        | 1          | 04/27/16                            | 04/28/16 15:57 | 1029    |
| PCB-1254                          | ND       | ug/100cm2     | 5.0        |        | 1          | 04/27/16                            | 04/28/16 15:57 | 1029    |
| PCB-1260                          | ND       | ug/100cm2     | 5.0        |        | 1          | 04/27/16                            | 04/28/16 15:57 | 1029    |

### PHASE SEPARATION SCIENCE, INC.



**CERTIFICATE OF ANALYSIS** 

No: 16042205

ACE Environmental, Baltimore, MD

May 2, 2016

| Polychlorinated Biphenyls  | Sample ID: CV-46 Matrix: WIPES                                     |          | Date/Time S  |                          |          |             |  | le ID: 1604220   | 5-046   |
|--|--|----------|--|--------------------------|----------|-------------|--|--|---------|
|  |  |          |  |                          |          | /2016 08:55 |  |  |         |
| PCB-1016   | Polychiorinated Biphenyls  |          |  | -846 8082                | 2 A      |             |  |  |         |
| PCB-1221   ND ug/100cm2   5.0   1   04/27/16   04/28/16 16:26   1025   | POD 4040   |          |  | RL                       | Flag     | Dil         | Prepared   | Analyzed   | Analyst |
| PCB-1232   ND ug/100cm2   5.0   1   04/27/16   04/28/16   16:26   1025 |  |          | The Control of the Co | 5.0                      |          | 1           | 04/27/16   | 04/28/16 16:26   | 1029    |
| PCB-1242   ND ug/100cm2   5.0   1   04/27/16   04/28/16 16:26   1025     PCB-1248   ND ug/100cm2   5.0   1   04/27/16   04/28/16 16:26   1025     PCB-1254   ND ug/100cm2   5.0   1   04/27/16   04/28/16 16:26   1025     PCB-1260   ND ug/100cm2   5.0   1   04/27/16   04/28/16 16:26   1025     PCB-1260   ND ug/100cm2   5.0   1   04/27/16   04/28/16 16:26   1025     PCB-1260   ND ug/100cm2   5.0   1   04/27/16   04/28/16 16:26   1025     PCB-1260   ND ug/100cm2   5.0   1   04/27/16   04/28/16 16:26   1025     PCB-1270   Matrix: WIPES   Date/Time Received: 04/22/2016 08:55     Polychlorinated Biphenyls   Analytical Method: SW-846 8082   Analytical Method: |  | ND       | ug/100cm2  | 5.0                      |          | 1           | 04/27/16   | 04/28/16 16:26   | 1029    |
| PCB-1248   |  | ND       | ug/100cm2  | 5.0                      |          | 1           | 04/27/16   | 04/28/16 16:26   | 1029    |
| PCB-1254   ND ug/100cm2   5.0   1   04/27/16   04/28/16   16:26   1025 |  | ND       | ug/100cm2  | 5.0                      |          | 1           | 04/27/16   | 04/28/16 16:26   | 1029    |
| PCB-1264   ND ug/100cm2   5.0   1   0.4/27/16   0.4/28/16   16:26   10:28    | PCB-1248   | ND       | ug/100cm2  | 5.0                      |          | 1           | 04/27/16   | 04/28/16 16:26   | 1029    |
| ND ug/100cm2   5.0   1   04/27/16   04/28/16 16:26   1028   10  | PCB-1254   | ND       | ug/100cm2  | 5.0                      |          | 1           |  |  |         |
| Sample ID: CV-47 Matrix: WIPES         Date/Time Received: Date/Time Date/Time Received: Date/Time Date                                | PCB-1260   | ND       | ug/100cm2  | 5.0                      |          | 1           |  |  |         |
| Matrix: WIPES  | Sample ID: CV-47   |          | Date/Time S  | ampled:                  | 04/21/   | 2016 12:00  |  |  |         |
| Propertion   Pro | Matrix: WIPES  |          |  |                          |          |             | The second secon | C ID. 1004220  | )-047   |
| ND   | Polychlorinated Biphenyls  | Analytic |  |                          |          |             |  | nod: SW3550C   |         |
| PCB-1016   |  | Pacult   | Unite  | DI                       | <b>-</b> | (           | Clean up Method  | : SW846 3665A  |         |
| PCB-1221   ND ug/100cm2   5.0   1   04/27/16   04/28/16 16:26   1029   | PCB-1016   | Vi fina  |  |                          | riag     |             |  |  | Analyst |
| PCB-1232 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:26 1029 PCB-1242 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:26 1029 PCB-1248 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:26 1029 PCB-1254 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:26 1029 PCB-1254 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:26 1029 PCB-1260 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:26 1029 PCB-1260 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:26 1029  Sample ID: CV-48 Date/Time Sampled: 04/21/2016 12:00 PSS Sample ID: 16042205-048  Matrix: WIPES Date/Time Received: 04/22/2016 08:55  Polychlorinated Biphenyls Analytical Method: SW-846 8082 A Preparation Method: SW3550C Clean up Method: SW846 3665A  Result Units RL Flag Dil Prepared Analyzed Analyzed Analyzed PCB-1232 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1232 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1242 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1248 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1254 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1254 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1254 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1254 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1254 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1254 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1254 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029   | ANT NOTE: TOUR STATE   |          | And the second second  | V. (E)(*)(*)             |          | 1500        | 04/27/16   | 04/28/16 16:26   | 1029    |
| PCB-1242 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:26 1029 PCB-1248 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:26 1029 PCB-1254 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:26 1029 PCB-1254 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:26 1029 PCB-1260 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:26 1029  Sample ID: CV-48 Date/Time Sampled: 04/21/2016 12:00 PSS Sample ID: 16042205-048  Matrix: WIPES Date/Time Received: 04/22/2016 08:55  Polychlorinated Biphenyls Analytical Method: SW-846 8082 A Preparation Method: SW846 3665A  Result Units RL Flag Dil Prepared Analyzed Analyzed PCB-1221 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1232 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1242 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1248 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1254 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1254 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1254 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1255 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1256 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1257 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1258 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1259 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1250 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1250 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1250 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029   | 16 2 2 2   |          |  |                          |          |             |  | Programme and the second secon |         |
| PCB-1248 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:26 1029 PCB-1254 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:26 1029 PCB-1260 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:26 1029  Sample ID: CV-48 Date/Time Sampled: 04/21/2016 12:00 PSS Sample ID: 16042205-048  Matrix: WIPES Date/Time Received: 04/22/2016 08:55  Polychlorinated Biphenyls Analytical Method: SW-846 8082 A Preparation Method: SW3550C Clean up Method: SW846 3665A  Result Units RL Flag Dil Prepared Analyzed Analyzed Analyzed PCB-1221 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029  PCB-1232 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029  PCB-1242 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029  PCB-1248 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029  PCB-1254 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029  PCB-1254 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029  PCB-1260 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029  PCB-1254 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029  PCB-1260 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029  PCB-1260 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029  PCB-1260 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029  PCB-1260 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029   | 00% (Marketon at 1000), Electron  10% (Marketon at 1000), Electron |          | 1989 D   | ///                      |          | 1           |  |  |         |
| PCB-1254 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:26 1029 PCB-1260 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:26 1029  Sample ID: CV-48 Date/Time Sampled: 04/21/2016 12:00 PSS Sample ID: 16042205-048  Matrix: WIPES Date/Time Received: 04/22/2016 08:55  Polychlorinated Biphenyls Analytical Method: SW-846 8082 A Preparation Method: SW3550C Clean up Method: SW846 3665A Result Units RL Flag Dil Prepared Analyzed Analyzed Analyzed PCB-1221 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1232 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1242 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1242 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1248 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1254 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1254 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1254 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1254 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1254 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1254 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1260 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1260 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1260 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029  |  |          | THE STATE OF THE S |                          |          | 1           | 04/27/16   | 04/28/16 16:26   | 1029    |
| PCB-1260  ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:26 1029  Sample ID: CV-48  Matrix: WIPES  Date/Time Received: 04/21/2016 12:00 PSS Sample ID: 16042205-048  Matrix: WIPES  Date/Time Received: 04/22/2016 08:55  Polychlorinated Biphenyls  Analytical Method: SW-846 8082 A  Preparation Method: SW3550C  Clean up Method: SW846 3665A  Result Units RL Flag Dil Prepared Analyzed Analyzed Analyse  PCB-1016  PCB-1221  ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029  PCB-1232  ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029  PCB-1242  ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029  PCB-1248  ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029  PCB-1254  ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029  PCB-1254  ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029  PCB-1254  ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029  PCB-1254  ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029  PCB-1254  ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029  | NA CONCRESS MICHAELES  |          | AN Photo 7 and   | 5.0                      |          | 1           | 04/27/16   | 04/28/16 16:26   | 1029    |
| Date/Time Sampled: 04/21/2016 12:00   PSS Sample ID: 16042205-048   Date/Time Received: 04/22/2016 08:55   Preparation Method: SW3550C   Clean up Method: SW846 3665A   Result   Units   RL   Flag   Dil   Prepared   Analyzed   Analyzed   Analyzed   Analyzed   Analyzed   PCB-1016   ND ug/100cm2   5.0   1   04/27/16   04/28/16 16:55   1029   O4/27/16   04/28/16 16:55   1029   O4/27/16   O4/28/16 16:55   1029   O4/28/16 16:55   1029   O4/28/16   O4/28/16 16:55   1029   O4/28/16   O |  |          |  | 5.0                      |          | 1           | 04/27/16   | 04/28/16 16:26   | 1029    |
| Matrix: WIPES         Date/Time Received: 04/22/2016 08:55           Polychlorinated Biphenyls         Date/Time Received: 04/22/2016 08:55           Preparation Method: SW3550C           Clean up Method: SW846 3665A         Clean up Method: SW846 3665A           PCB-1016         ND ug/100cm2         5.0         1         04/27/16 04/28/16 16:55 1029           PCB-1221         ND ug/100cm2         5.0         1         04/27/16 04/28/16 16:55 1029           PCB-1232         ND ug/100cm2         5.0         1         04/27/16 04/28/16 16:55 1029           PCB-1242         ND ug/100cm2         5.0         1         04/27/16 04/28/16 16:55 1029           PCB-1248         ND ug/100cm2         5.0         1         04/27/16 04/28/16 16:55 1029           PCB-1254         ND ug/100cm2         5.0         1         04/27/16 04/28/16 16:55 1029           PCB-1260         ND ug/100cm2         5.0         1         04/27/16 04/28/16 16:55 1029   | SO MANA WASSESTED  | ND       | ug/100cm2  | 5.0                      |          | 1           | 04/27/16   | 04/28/16 16:26   | 1029    |
| Matrix: WIPES         Date/Time Received: 04/22/2016 08:55           Polychlorinated Biphenyls         Analytical Method: SW-846 8082 A         Preparation Method: SW3550C Clean up Method: SW846 3665A           Result         Units         RL         Flag         Dil         Prepared         Analyzed         Analyzed           PCB-1016         ND ug/100cm2         5.0         1         04/27/16         04/28/16 16:55         1029           PCB-1221         ND ug/100cm2         5.0         1         04/27/16         04/28/16 16:55         1029           PCB-1232         ND ug/100cm2         5.0         1         04/27/16         04/28/16 16:55         1029           PCB-1242         ND ug/100cm2         5.0         1         04/27/16         04/28/16 16:55         1029           PCB-1248         ND ug/100cm2         5.0         1         04/27/16         04/28/16 16:55         1029           PCB-1254         ND ug/100cm2         5.0         1         04/27/16         04/28/16 16:55         1029           PCB-1360         ND ug/100cm2         5.0         1         04/27/16         04/28/16 16:55         1029  |  |          | Date/Time Sa   | ampled:                  | 04/21/2  | 2016 12:00  | PSS Sample   | ID: 16042205   | -048    |
| PCB-1016 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1221 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1232 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1242 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1242 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1248 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1254 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1254 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1254 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029   |  |          | Date/Time Re   | ceived:                  | 04/22/2  | 2016 08:55  |  |  |         |
| Result         Units         RL         Flag         Dil         Prepared         Analyzed         Analyzed           PCB-1016         ND ug/100cm2         5.0         1         04/27/16         04/28/16 16:55         1029           PCB-1221         ND ug/100cm2         5.0         1         04/27/16         04/28/16 16:55         1029           PCB-1232         ND ug/100cm2         5.0         1         04/27/16         04/28/16 16:55         1029           PCB-1242         ND ug/100cm2         5.0         1         04/27/16         04/28/16 16:55         1029           PCB-1248         ND ug/100cm2         5.0         1         04/27/16         04/28/16 16:55         1029           PCB-1254         ND ug/100cm2         5.0         1         04/27/16         04/28/16 16:55         1029           PCB-1360         ND ug/100cm2         5.0         1         04/27/16         04/28/16 16:55         1029   | Polychlorinated Biphenyls  | Analytic | al Method: SW-   | 846 8082                 | Α        | F           | reparation Meth  | od: SW3550C  |         |
| PCB-1016         ND ug/100cm2         5.0         1         04/27/16 04/28/16 16:55 1029           PCB-1221         ND ug/100cm2         5.0         1         04/27/16 04/28/16 16:55 1029           PCB-1232         ND ug/100cm2         5.0         1         04/27/16 04/28/16 16:55 1029           PCB-1242         ND ug/100cm2         5.0         1         04/27/16 04/28/16 16:55 1029           PCB-1248         ND ug/100cm2         5.0         1         04/27/16 04/28/16 16:55 1029           PCB-1254         ND ug/100cm2         5.0         1         04/27/16 04/28/16 16:55 1029           PCB-1360         ND ug/100cm2         5.0         1         04/27/16 04/28/16 16:55 1029   |  | 2        |  |                          |          |             | lean up Method:  | SW846 3665A  |         |
| PCB-1221 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1232 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1242 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1248 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1254 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1254 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029  | DCD 1010   |          | 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -  | - Chillian Nov. or 10.00 | Flag     | Dil         | Prepared   | Analyzed   | Analyst |
| PCB-1232 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1242 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1248 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1254 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1256 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029   | 10 offstate (15.45). For #1  |          |  | 5.0                      |          | 1           | 04/27/16   | 04/28/16 16:55   | 1029    |
| PCB-1242 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1248 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1254 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1254 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029  |  | ND       | ug/100cm2  | 5.0                      |          | 1           | 04/27/16   | 04/28/16 16:55   | 1029    |
| PCB-1248 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1254 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1360 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029   | FOR DESCRIPTION  | ND       | ug/100cm2  | 5.0                      |          | 1           | 04/27/16   | 04/28/16 16:55   | 1029    |
| PCB-1248 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1254 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029 PCB-1360   |  | ND       | ug/100cm2  | 5.0                      |          | 1           | 04/27/16   | 04/28/16 16:55   | 1029    |
| PCB-1254 ND ug/100cm2 5.0 1 04/27/16 04/28/16 16:55 1029   | DAY MANAGE MACES CONT.   | ND I     | ug/100cm2  | 5.0                      |          | 1           |  |  |         |
| DCB 1260   | PCB-1254   | ND I     | ug/100cm2  | 5.0                      |          | 1           |  |  |         |
| 04/21/10 04/20/10 10 23 11/20  | PCB-1260   | ND I     | ug/100cm2  | 5.0                      |          | 1           |  |  |         |

## **PHASE SEPARATION** SCIENCE, INC.



**CERTIFICATE OF ANALYSIS** 

No: 16042205

ACE Environmental, Baltimore, MD

May 2, 2016

Project Name: Walter Reed Project Location: Washington, DC

| Sample ID: Blank-1 Matrix: WIPES |                  | ate/Time Sam<br>ate/Time Rece  | 5      |        |            |                                     | e ID: 1604220       | 5-049    |
|----------------------------------|------------------|--------------------------------|--------|--------|------------|-------------------------------------|---------------------|----------|
| Polychlorinated Biphenyls        |                  | Method: SW-846                 |        |        | 2010 00.3  |                                     | L - L - CULTO-F-0-0 |          |
| . elyermermated Dipriemyle       | Analytical       | vietriou. Svv-646              | 0002   | A      |            | Preparation Met<br>Clean up Method  |                     |          |
|                                  | Result           | Units                          | RL     | Flag   | Dil        | Prepared                            | Analyzed            | Analyst  |
| PCB-1016                         | ND ug            | /100cm2                        | 5.0    |        | 1          |                                     | 04/28/16 16:55      |          |
| PCB-1221                         | ND ug            | /100cm2                        | 5.0    |        | 1          |                                     | 04/28/16 16:55      |          |
| PCB-1232                         | ND ug            | /100cm2                        | 5.0    |        | 1          | 04/27/16                            | 04/28/16 16:55      | 1029     |
| PCB-1242                         | ND ug            | /100cm2                        | 5.0    |        | 1          |                                     | 04/28/16 16:55      |          |
| PCB-1248                         | ND ug            | /100cm2                        | 5.0    |        | 1          | 04/27/16                            | 04/28/16 16:55      | 1029     |
| PCB-1254                         | ND ug            | /100cm2                        | 5.0    |        | 1          |                                     | 04/28/16 16:55      |          |
| PCB-1260                         | ND ug            | /100cm2                        | 5.0    |        | 1          |                                     | 04/28/16 16:55      | RATIONAL |
| Sample ID: Blank-2               | D                | ate/Time Sam                   | pled:  | 04/21/ | 2016 09:25 |                                     | e ID: 16042205      |          |
| Matrix: WIPES                    |                  | te/Time Rece                   | told a |        |            |                                     |                     |          |
| Polychlorinated Biphenyls        |                  | Method: SW-846                 |        |        |            | Preparation Meth                    |                     |          |
|                                  | Result           | Units                          | RL     | Flag   | Dil        | Prepared                            |                     | Analyst  |
| PCB-1016                         | ND ug            | 100cm2                         | 5.0    |        | 1          | 04/27/16                            | 04/28/16 17:23      | 1029     |
| PCB-1221                         | ND ug/           | 100cm2                         | 5.0    |        | 1          | 04/27/16                            | 04/28/16 17:23      | 1029     |
| PCB-1232                         | ND ug/           | 100cm2                         | 5.0    |        | 1          | 04/27/16                            | 04/28/16 17:23      | 1029     |
| PCB-1242                         | ND ug/           | 100cm2                         | 5.0    |        | 1          | 04/27/16                            | 04/28/16 17:23      | 1029     |
| PCB-1248                         | ND ug/           | 100cm2                         | 5.0    |        | 1          | 04/27/16                            | 04/28/16 17:23      | 1029     |
| PCB-1254                         | ND ug/           | 100cm2                         | 5.0    |        | 1          | 04/27/16                            | 04/28/16 17:23      | 1029     |
| PCB-1260                         | ND ug/           | 100cm2                         | 5.0    |        | 1          | 04/27/16                            | 04/28/16 17:23      | 1029     |
| Sample ID: X-1 Matrix: WIPES     |                  | ite/Time Samp<br>te/Time Recei |        |        |            |                                     | D: 16042205         | -051     |
| Polychlorinated Biphenyls        | Analytical N     | lethod: SW-846                 | 8082   | Α      |            | Preparation Meth<br>Clean up Method |                     |          |
| 222.001                          | Result           | Jnits                          | RL     | Flag   | Dil        | Prepared                            | Analyzed            | Analyst  |
| PCB-1016                         | ND ug/           | 100cm2                         | 500    |        | 100        | 04/27/16                            | 04/29/16 14:15      | 1029     |
| PCB-1221                         | ND ug/           | 100cm2                         | 500    |        | 100        | 04/27/16                            | 04/29/16 14:15      | 1029     |
| PCB-1232                         | ND ug/           | 100cm2                         | 500    |        | 100        | 04/27/16                            | 04/29/16 14:15      | 1029     |
| PCB-1242                         | ND ug/           | 100cm2                         | 500    |        | 100        | 04/27/16                            | 04/29/16 14:15      | 1029     |
| PCB-1248                         | ND ug/           | 100cm2                         | 500    |        | 100        | 04/27/16                            | 04/29/16 14:15      | 1029     |
| PCB-1254                         | ND ug/           | 100cm2                         | 500    |        | 100        | 04/27/16                            | 04/29/16 14:15      | 1029     |
| PCB-1260                         | <b>8,300</b> ug/ | 100cm2                         | 500    |        | 100        | 04/27/16                            | 04/29/16 14:15      | 1029     |

### PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 16042205

ACE Environmental, Baltimore, MD

May 2, 2016

| Sample ID: X-2 Matrix: WIPES |                     | Date/Time      |            |         |            |                                       | le ID: 1604220                   | 5-052   |
|------------------------------|---------------------|----------------|------------|---------|------------|---------------------------------------|----------------------------------|---------|
|                              | TVE EL AN ELLEVANIE | Date/Time      |            |         | 2016 08:5  | 5                                     |                                  |         |
| Polychlorinated Biphenyls    | Analytic            | al Method: S\  | N-846 8082 | 2 A     |            | Preparation Met                       |                                  |         |
|                              | Result              | Units          | RL         | Flag    | Dil        | Clean up Metho                        |                                  |         |
| PCB-1016                     |                     | ug/100cm2      | 200        |         | 40         | Prepared                              | Analyzed<br>04/29/16 14:15       | Analyst |
| PCB-1221                     |                     | ug/100cm2      | 200        |         | 40         |                                       | 04/29/16 14:15                   |         |
| PCB-1232                     |                     | ug/100cm2      | 200        |         | 40         |                                       |                                  |         |
| PCB-1242                     |                     | ug/100cm2      | 200        |         | 40         |                                       | 04/29/16 14:15<br>04/29/16 14:15 |         |
| PCB-1248                     |                     | ug/100cm2      | 200        |         | 40         |                                       | 04/29/16 14:15                   |         |
| PCB-1254                     |                     | ug/100cm2      | 200        |         | 40         |                                       | 04/29/16 14:15                   |         |
| PCB-1260                     |                     | ug/100cm2      | 200        |         | 40         |                                       | 04/29/16 14:15                   |         |
| Sample ID: X-3               | 2,100               | Date/Time      |            | 04/24/  |            |                                       |                                  |         |
| Matrix: WIPES                |                     | Date/Time F    |            |         |            |                                       | e ID: 16042205                   | -053    |
| Polychlorinated Biphenyls    |                     | al Method: SV  |            |         | 2010 00.00 |                                       |                                  |         |
|                              | , triary tro        | ai Metriod, Ov | V-040 0002 | ^       |            | Preparation Method<br>Clean up Method |                                  |         |
|                              | Result              | Units          | RL         | Flag    | Dil        | Prepared                              | ****                             | Analyst |
| PCB-1016                     | ND                  | ug/100cm2      | 1,000      |         | 200        | 04/27/16                              | 04/29/16 14:44                   |         |
| PCB-1221                     | ND                  | ug/100cm2      | 1,000      |         | 200        | 04/27/16                              | 04/29/16 14:44                   | 1029    |
| PCB-1232                     | ND                  | ug/100cm2      | 1,000      |         | 200        |                                       | 04/29/16 14:44                   |         |
| PCB-1242                     | ND                  | ug/100cm2      | 1,000      |         | 200        | 04/27/16                              | 04/29/16 14:44                   | 1029    |
| PCB-1248                     | ND I                | ug/100cm2      | 1,000      |         | 200        |                                       | 04/29/16 14:44                   |         |
| PCB-1254                     | ND I                | ug/100cm2      | 1,000      |         | 200        |                                       | 04/29/16 14:44                   |         |
| PCB-1260                     | 17,000              | ug/100cm2      | 1,000      |         | 200        | 04/27/16                              | 04/29/16 14:44                   | 1029    |
| Sample ID: X-4               |                     | Date/Time S    | Sampled:   | 04/21/2 | 2016 13:15 |                                       | D: 16042205                      |         |
| Matrix: WIPES                |                     | Date/Time R    | eceived:   | 04/22/2 | 2016 08:55 |                                       |                                  |         |
| Polychlorinated Biphenyls    | Analytica           | l Method: SW   | /-846 8082 | Α       |            | Preparation Meth                      | od: SW3550C                      |         |
|                              |                     |                |            |         |            | Clean up Method                       |                                  |         |
| DOD 4040                     | Result              | Units          | RL         | Flag    | Dil        | Prepared                              | Analyzed /                       | Analyst |
| PCB-1016                     | ND t                | ıg/100cm2      | 50         |         | 10         | 04/27/16                              | 04/29/16 14:44                   | 1029    |
| PCB-1221                     | ND t                | ıg/100cm2      | 50         |         | 10         | 04/27/16                              | 04/29/16 14:44                   | 1029    |
| PCB-1232                     |                     | ıg/100cm2      | 50         |         | 10         | 04/27/16                              | 04/29/16 14:44                   | 1029    |
| PCB-1242                     |                     | ıg/100cm2      | 50         |         | 10         | 04/27/16                              | 04/29/16 14:44                   | 1029    |
| PCB-1248                     |                     | ıg/100cm2      | 50         |         | 10         | 04/27/16                              | 04/29/16 14:44                   | 1029    |
| PCB-1254                     |                     | ıg/100cm2      | 50         |         | 10         | 04/27/16                              | 04/29/16 14:44                   | 1029    |
| PCB-1260                     | <b>370</b> u        | g/100cm2       | 50         |         | 10         | 04/27/16                              | 04/29/16 14:44                   | 1029    |

## PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 16042205

ACE Environmental, Baltimore, MD

May 2, 2016

| Sample ID: T-1            |          | Date/Tim     | e Sampled:  | 04/21/  | 2016 12:4  | 5 PSS Sampl                         | e ID: 1604220  | 5-055   |
|---------------------------|----------|--------------|-------------|---------|------------|-------------------------------------|----------------|---------|
| Matrix: WIPES             |          | Date/Time    | Received:   | 04/22/  | 2016 08:5  | 5                                   |                |         |
| Polychlorinated Biphenyls | Analytic | cal Method:  | SW-846 8082 | ? A     |            | Preparation Met                     |                | 4       |
|                           | Result   | Units        | RL          | Flag    | Dil        | Prepared                            | Analyzed       | Analyst |
| PCB-1016                  | ND       | ug/100cm2    | 5.0         |         | 1          | 04/27/16                            | 04/28/16 18:21 | 1 1029  |
| PCB-1221                  | ND       | ug/100cm2    | 5.0         |         | 1          | 04/27/16                            | 04/28/16 18:21 | 1 1029  |
| PCB-1232                  | ND       | ug/100cm2    | 5.0         |         | 1          | 04/27/16                            | 04/28/16 18:21 | 1 1029  |
| PCB-1242                  | ND       | ug/100cm2    | 5.0         |         | 1          | 04/27/16                            | 04/28/16 18:21 | 1029    |
| PCB-1248                  | ND       | ug/100cm2    | 5.0         |         | 1          | 04/27/16                            | 04/28/16 18:21 | 1029    |
| PCB-1254                  | ND       | ug/100cm2    | 5.0         |         | 1          | 04/27/16                            | 04/28/16 18:21 | 1029    |
| PCB-1260                  | ND       | ug/100cm2    | 5.0         |         | 1          |                                     | 04/28/16 18:21 |         |
| Sample ID: T-2            |          | Date/Time    | e Sampled:  | 04/21/2 | 2016 12:45 | PSS Sample                          | e ID: 1604220  | 5-056   |
| Matrix: WIPES             |          |              | Received:   |         |            |                                     |                |         |
| Polychlorinated Biphenyls | Analytic |              | SW-846 8082 |         |            | Preparation Meth                    |                |         |
|                           | Result   | Units        | RL          | Flag    | Dil        | Prepared                            | Analyzed       | Analyst |
| PCB-1016                  | ND       | ug/100cm2    | 5.0         |         | 1          | 04/27/16                            | 04/28/16 18:50 |         |
| PCB-1221                  | ND       | ug/100cm2    | 5.0         |         | 1          |                                     | 04/28/16 18:50 |         |
| PCB-1232                  | ND       | ug/100cm2    | 5.0         |         | 1          |                                     | 04/28/16 18:50 |         |
| PCB-1242                  | ND       | ug/100cm2    | 5.0         |         | 1          |                                     | 04/28/16 18:50 |         |
| PCB-1248                  | ND       | ug/100cm2    | 5.0         |         | 1          |                                     | 04/28/16 18:50 |         |
| PCB-1254                  | ND       | ug/100cm2    | 5.0         |         | 1          | 04/27/16                            | 04/28/16 18:50 | 1029    |
| PCB-1260                  | ND       | ug/100cm2    | 5.0         |         | 1          |                                     | 04/28/16 18:50 |         |
| Sample ID: T-3            |          | Date/Time    | Sampled:    | 04/21/2 | 2016 12:45 |                                     | D: 16042205    |         |
| Matrix: WIPES             |          | Date/Time    | Received:   | 04/22/2 | 2016 08:55 |                                     |                |         |
| Polychlorinated Biphenyls | Analytic | al Method: S | SW-846 8082 | Α       |            | Preparation Meth<br>Clean up Method |                |         |
|                           | Result   | Units        | RL          | Flag    | Dil        | Prepared                            | Analyzed       | Analyst |
| PCB-1016                  | ND       | ug/100cm2    | 5.0         |         | 1          | 04/27/16                            | 04/28/16 18:50 | 1029    |
| PCB-1221                  | ND       | ug/100cm2    | 5.0         |         | 1          | 04/27/16                            | 04/28/16 18:50 | 1029    |
| PCB-1232                  | ND       | ug/100cm2    | 5.0         |         | 1          | 04/27/16                            | 04/28/16 18:50 | 1029    |
| PCB-1242                  | ND       | ug/100cm2    | 5.0         |         | 1          | 04/27/16                            | 04/28/16 18:50 | 1029    |
| PCB-1248                  | ND       | ug/100cm2    | 5.0         |         | 1          | 04/27/16                            | 04/28/16 18:50 | 1029    |
| PCB-1254                  | ND       | ug/100cm2    | 5.0         |         | 1          |                                     | 04/28/16 18:50 | 1029    |
| PCB-1260                  | ND       | ug/100cm2    | 5.0         |         | 1          | 04/27/16                            | 04/28/16 18:50 | 1029    |

## PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 16042205

ACE Environmental, Baltimore, MD

May 2, 2016

| Sample ID: T-4            |           | Date/Time S    | ampled:  | 04/21/2 | 2016 12:4 | 5 PSS Samp   | le ID: 1604220 | 5-058   |
|---------------------------|-----------|----------------|----------|---------|-----------|--|----------------|---------|
| Matrix: WIPES             |           | Date/Time Re   | eceived: | 04/22/2 | 2016 08:5 | 5  |                |         |
| Polychlorinated Biphenyls | Analytica | al Method: SW- | 846 8082 | A       |           | Preparation Met<br>Clean up Method   |                |         |
|                           | Result    | Units          | RL       | Flag    | Dil       | Prepared   |                | Analyst |
| PCB-1016                  | ND        | ug/100cm2      | 5.0      |         | 1         | 04/27/16   | 04/28/16 19:19 | 1029    |
| PCB-1221                  | ND        | ug/100cm2      | 5.0      |         | 1         |  | 04/28/16 19:19 |         |
| PCB-1232                  | ND        | ug/100cm2      | 5.0      |         | 1         | 04/27/16   |                |         |
| PCB-1242                  | ND I      | ug/100cm2      | 5.0      |         | 1         | 04/27/16   |                |         |
| PCB-1248                  | ND I      | ug/100cm2      | 5.0      |         | 1         |  | 04/28/16 19:19 |         |
| PCB-1254                  | ND I      | ug/100cm2      | 5.0      |         | 1         |  | 04/28/16 19:19 |         |
| PCB-1260                  | ND t      | ug/100cm2      | 5.0      |         | 1         |  | 04/28/16 19:19 |         |
| Sample ID: Blank-3        |           | Date/Time Sa   |          | 04/21/2 | 016 12:4  |  | e ID: 16042205 |         |
| Matrix: WIPES             |           | Date/Time Re   |          |         |           | the second secon | e ID. 10042205 | -059    |
| Polychlorinated Biphenyls |           | Method: SW-    |          |         |           | Preparation Meth   |                |         |
|                           | Result    | Units          | RL       | Flag    | Dil       | Clean up Method<br>Prepared  |                | Analyst |
| PCB-1016                  | ND t      | ıg/100cm2      | 5.0      |         | 1         | 04/27/16   | 04/28/16 19:19 | 1029    |
| PCB-1221                  | ND t      | ıg/100cm2      | 5.0      |         | 1         |  | 04/28/16 19:19 | 1029    |
| PCB-1232                  | ND u      | g/100cm2       | 5.0      |         | 1         |  | 04/28/16 19:19 | 1029    |
| PCB-1242                  | ND u      | g/100cm2       | 5.0      |         | 1         |  | 04/28/16 19:19 | 1029    |
| PCB-1248                  | ND u      | g/100cm2       | 5.0      |         | 1         |  | 04/28/16 19:19 |         |
| PCB-1254                  | ND u      | g/100cm2       | 5.0      |         | 1         |  | 04/28/16 19:19 | 1029    |
| PCB-1260                  | ND u      | g/100cm2       | 5.0      |         | 1         |  | 04/28/16 19:19 |         |



#### **Case Narrative Summary**

Client Name: ACE Environmental

Project Name: Walter Reed

Work Order Number(s): 16042205

Any holding time exceedances, deviations from the method specifications, regulatory requirements or variations to the procedures outlined in the PSS Quality Assurance Manual are outlined below.

The analyses of chlorine, pH, dissolved oxygen, temperature and sulfite for drinking water and non-potable samples tested for compliance have a maximum holding time of 15 minutes. As such, all laboratory analyses for these analytes exceed holding times.

Matrix spike and matrix spike duplicate analyses may not be performed due to insufficient sample quantity. In these instances, a laboratory control sample and laboratory control sample duplicate are analyzed unless otherwise noted or specified in the method.

#### Sample Receipt:

All sample receipt conditions were acceptable.

#### **General Comments:**

Per client, area swiped for each sample is 10cm x 10cm.

#### Analytical:

#### Polychlorinated Biphenyls

Batch: 132082

Surrogate exceedances identified; see surrogate summary form.

Batch: 132151

Surrogate exceedances identified; see surrogate summary form.

NELAP accreditation was held for all analyses performed unless noted below. See www.phaseonline.com for complete PSS scope of accreditation.



#### **Analytical Data Package Information Summary**

Work Order(s): 16042205 Report Prepared For: ACE Environmental, Baltimore, MD Project Name: ACE Master Price List Project Manager: Rick Rasmussen

| Method        | Client Sample Id | Analysis Type | Lab Sample Id                  | Analyst | Mtx  | Prep Batch | Analytical Batch | Sampled    | Prepared         | Analyzed         |
|---------------|------------------|---------------|--------------------------------|---------|------|------------|------------------|------------|------------------|------------------|
| SW-846 8082 A | CV-1             | Initial       | 16042205-001                   | 1020    | 3377 | (0500      | 100000           |            |                  |                  |
|               | CV-2             | Initial       | 16042205-001                   | 1029    | WI   | 60509      | 132082           | 04/20/2016 | 04/26/2016 12:24 | 04/26/2016 23:21 |
|               | CV-3             | Initial       | HART HE SHOWS IN THE THE TOTAL | 1029    | WI   | 60509      | 132082           | 04/20/2016 | 04/26/2016 12:24 | 04/26/2016 23:50 |
|               | CV-4             | Initial       | 16042205-003                   | 1029    | WI   | 60509      | 132082           | 04/20/2016 | 04/26/2016 12:24 | 04/27/2016 00:19 |
|               | CV-5             | Initial       | 16042205-004                   | 1029    | WI   | 60509      | 132082           | 04/20/2016 | 04/26/2016 12:24 | 04/27/2016 00:48 |
|               | CV-6             |               | 16042205-005                   | 1029    | WI   | 60509      | 132082           | 04/20/2016 | 04/26/2016 12:24 | 04/27/2016 00:48 |
|               | CV-7             | Initial       | 16042205-006                   | 1029    | WI   | 60509      | 132082           | 04/20/2016 | 04/26/2016 12:24 | 04/27/2016 01:17 |
|               | CV-8             | Initial       | 16042205-007                   | 1029    | WI   | 60509      | 132082           | 04/20/2016 | 04/26/2016 12:24 | 04/27/2016 01:17 |
|               |                  | Initial       | 16042205-008                   | 1029    | WI   | 60509      | 132082           | 04/20/2016 | 04/26/2016 12:24 | 04/27/2016 01:46 |
|               | CV-9             | Initial       | 16042205-009                   | 1029    | WI   | 60509      | 132082           | 04/20/2016 | 04/26/2016 12:24 | 04/27/2016 01:46 |
|               | CV-10            | Initial       | 16042205-010                   | 1029    | WI   | 60509      | 132082           | 04/20/2016 | 04/26/2016 12:24 | 04/27/2016 02:14 |
|               | CV-11            | Initial       | 16042205-011                   | 1029    | WI   | 60509      | 132082           | 04/20/2016 | 04/26/2016 12:24 | 04/27/2016 02:14 |
|               | CV-12            | Initial       | 16042205-012                   | 1029    | WI   | 60509      | 132082           | 04/20/2016 | 04/26/2016 12:24 | 04/27/2016 02:43 |
|               | CV-13            | Initial       | 16042205-013                   | 1029    | WI   | 60509      | 132082           | 04/20/2016 | 04/26/2016 12:24 | 04/27/2016 02:43 |
|               | CV-14            | Initia1       | 16042205-014                   | 1029    | WI   | 60509      | 132082           | 04/20/2016 | 04/26/2016 12:24 | 04/27/2016 03:12 |
|               | CV-15            | Initial       | 16042205-015                   | 1029    | WI   | 60509      | 132082           | 04/20/2016 | 04/26/2016 12:24 | 04/27/2016 03:12 |
|               | CV-16            | Initial       | 16042205-016                   | 1029    | WI   | 60509      | 132082           | 04/20/2016 | 04/26/2016 12:24 | 04/27/2016 03:41 |
|               | CV-17            | Initial       | 16042205-017                   | 1029    | WI   | 60509      | 132082           | 04/20/2016 | 04/26/2016 12:24 | 04/27/2016 03:41 |
|               | CV-18            | Initial       | 16042205-018                   | 1029    | WI   | 60509      | 132082           | 04/20/2016 | 04/26/2016 12:24 | 04/26/2016 21:25 |
|               | CV-19            | Initial       | 16042205-019                   | 1029    | WI   | 60509      | 132082           | 04/20/2016 | 04/26/2016 12:24 | 04/26/2016 21:54 |
|               | CV-20            | Initial       | 16042205-020                   | 1029    | WI   | 60509      | 132082           | 04/20/2016 | 04/26/2016 12:24 | 04/26/2016 22:23 |
|               | 60509-1-BKS      | BKS           | 60509-1-BKS                    | 1029    | WI   | 60509      | 132082           |            | 04/26/2016 12:24 | 04/26/2016 23:50 |
|               | 60509-1-BLK      | BLK           | 60509-1-BLK                    | 1029    | WI   | 60509      | 132082           |            | 04/26/2016 12:24 | 04/26/2016 23:30 |
|               | 60509-1-BSD      | BSD           | 60509-1-BSD                    | 1029    | WI   | 60509      | 132082           |            | 04/26/2016 12:24 | 04/27/2016 00:19 |
|               | CV-40            | Initial       | 16042205-040                   | 1029    | WI   | 60522      | 132151           | 04/21/2016 | 04/27/2016 10:04 |                  |
|               | CV-41            | Initial       | 16042205-041                   | 1029    | WI   | 60522      | 132151           | 04/21/2016 | 04/27/2016 10:04 | 04/28/2016 14:25 |
|               | CV-42            | Initial       | 16042205-042                   | 1029    | WI   | 60522      | 132151           | 04/21/2016 | 04/27/2016 10:04 | 04/28/2016 12:29 |
|               | CV-43            | Initial       | 16042205-043                   | 1029    | WI   | 60522      | 132151           | 04/21/2016 | 04/27/2016 10:04 | 04/28/2016 12:58 |
|               | CV-44            | Initial       | 16042205-044                   | 1029    | WI   | 60522      | 132151           | 04/21/2016 |                  | 04/28/2016 13:27 |
|               | CV-45            | Initial       | 16042205-045                   | 1029    | WI   | 60522      | 132151           |            | 04/27/2016 10:04 | 04/28/2016 14:54 |
|               |                  |               |                                | .027    | .,,, | 00322      | 132131           | 04/21/2016 | 04/27/2016 10:04 | 04/28/2016 15:57 |



#### **Analytical Data Package Information Summary**

Work Order(s): 16042205
Report Prepared For: ACE Environmental, Baltimore, MD

Project Name: ACE Master Price List Project Manager: Rick Rasmussen

| Method        | Client Sample Id | Analysis Type | Lab Sample Id | Analyst | Mtx | Prep Batch | Analytical Batch | Sampled    | Prepared         | Analyzed                             |
|---------------|------------------|---------------|---------------|---------|-----|------------|------------------|------------|------------------|--------------------------------------|
| SW-846 8082 A | CV-46            | Initial       | 16042205-046  | 1029    | WI  | 60522      | 132151           | 04/21/2016 | 04/27/2016 10:04 | 04/28/2016 16:26                     |
|               | CV-47            | Initial       | 16042205-047  | 1029    | WI  | 60522      | 132151           | 04/21/2016 | 04/27/2016 10:04 | 04/28/2016 16:26                     |
|               | CV-48            | Initial       | 16042205-048  | 1029    | WI  | 60522      | 132151           | 04/21/2016 | 04/27/2016 10:04 | 04/28/2016 16:55                     |
|               | Blank-1          | Initial       | 16042205-049  | 1029    | WI  | 60522      | 132151           | 04/20/2016 | 04/27/2016 10:04 | 04/28/2016 16:55                     |
|               | Blank-2          | Initial       | 16042205-050  | 1029    | WI  | 60522      | 132151           | 04/21/2016 | 04/27/2016 10:04 | 04/28/2016 17:23                     |
|               | X-1              | Initial       | 16042205-051  | 1029    | WI  | 60522      | 132151           | 04/21/2016 | 04/27/2016 10:04 | 04/29/2016 14:15                     |
|               | X-2              | Initial       | 16042205-052  | 1029    | WI  | 60522      | 132151           | 04/21/2016 | 04/27/2016 10:04 | 04/29/2016 14:15                     |
|               | X-3              | Initial       | 16042205-053  | 1029    | WI  | 60522      | 132151           | 04/21/2016 | 04/27/2016 10:04 | 04/29/2016 14:44                     |
|               | X-4              | Initial       | 16042205-054  | 1029    | WI  | 60522      | 132151           | 04/21/2016 | 04/27/2016 10:04 | 04/29/2016 14:44                     |
|               | T-1              | Initial       | 16042205-055  | 1029    | WI  | 60522      | 132151           | 04/21/2016 | 04/27/2016 10:04 | 04/28/2016 18:21                     |
|               | T-2              | Initial       | 16042205-056  | 1029    | WI  | 60522      | 132151           | 04/21/2016 | 04/27/2016 10:04 | 04/28/2016 18:50                     |
|               | T-3              | Initial       | 16042205-057  | 1029    | WI  | 60522      | 132151           | 04/21/2016 | 04/27/2016 10:04 | 04/28/2016 18:50                     |
|               | T-4              | Initial       | 16042205-058  | 1029    | WI  | 60522      | 132151           | 04/21/2016 | 04/27/2016 10:04 | 04/28/2016 19:19                     |
|               | Blank-3          | Initial       | 16042205-059  | 1029    | WI  | 60522      | 132151           | 04/21/2016 | 04/27/2016 10:04 | 04/28/2016 19:19                     |
|               | 60522-1-BKS      | BKS           | 60522-1-BKS   | 1029    | WI  | 60522      | 132151           |            | 04/27/2016 10:04 | 04/28/2016 14:25                     |
|               | 60522-1-BLK      | BLK           | 60522-1-BLK   | 1029    | WI  | 60522      | 132151           | *******    | 04/27/2016 10:04 | 04/28/2016 13:56                     |
|               | 60522-1-BSD      | BSD           | 60522-1-BSD   | 1029    | WI  | 60522      | 132151           |            | 04/27/2016 10:04 | 04/28/2016 13:36                     |
|               | CV-21            | Initial       | 16042205-021  | 1029    | WI  | 60525      | 132192           | 04/20/2016 | 04/27/2016 10:04 | 04/29/2016 15:13                     |
|               | CV-22            | Initial       | 16042205-022  | 1029    | WI  | 60525      | 132192           | 04/20/2016 | 04/27/2016 10:44 | 04/29/2016 15:13                     |
|               | CV-23            | Initial       | 16042205-023  | 1029    | WI  | 60525      | 132192           | 04/20/2016 | 04/27/2016 10:44 | 04/29/2016 15:42                     |
|               | CV-24            | Initial       | 16042205-024  | 1029    | WI  | 60525      | 132192           | 04/20/2016 | 04/27/2016 10:44 | 04/29/2016 16:11                     |
|               | CV-25            | Initial       | 16042205-025  | 1029    | WI  | 60525      | 132192           | 04/20/2016 | 04/27/2016 10:44 | 04/29/2016 17:08                     |
|               | CV-26            | Initial       | 16042205-026  | 1029    | WI  | 60525      | 132192           | 04/21/2016 | 04/27/2016 10:44 | 04/29/2016 17:37                     |
|               | CV-27            | Initial       | 16042205-027  | 1029    | WI  | 60525      | 132192           | 04/21/2016 | 04/27/2016 10:44 | 04/29/2016 17:37                     |
|               | CV-28            | Initial       | 16042205-028  | 1029    | WI  | 60525      | 132192           | 04/21/2016 | 04/27/2016 10:44 |                                      |
|               | CV-29            | Initial       | 16042205-029  | 1029    | WI  | 60525      | 132192           | 04/21/2016 | 04/27/2016 10:44 | 04/29/2016 18:06<br>04/29/2016 18:06 |
|               | CV-30            | Initial       | 16042205-030  | 1029    | WI  | 60525      | 132192           | 04/21/2016 | 04/27/2016 10:44 | 04/29/2016 18:06                     |
|               | CV-31            | Initial       | 16042205-031  | 1029    | WI  | 60525      | 132192           | 04/21/2016 | 04/27/2016 10:44 | 04/29/2016 18:35                     |
|               | CV-32            | Initial       | 16042205-032  | 1029    | WI  | 60525      | 132192           | 04/21/2016 | 04/27/2016 10:44 | 04/29/2016 18:33                     |



#### **Analytical Data Package Information Summary**

Work Order(s): 16042205 Report Prepared For: ACE Environmental, Baltimore, MD Project Name: ACE Master Price List Project Manager: Rick Rasmussen

| Method        | Client Sample Id | Analysis Type | Lab Sample Id | Analyst | Mtx | Prep Batch | Analytical Batch | Sampled    | Prepared         | Analyzed         |
|---------------|------------------|---------------|---------------|---------|-----|------------|------------------|------------|------------------|------------------|
| SW-846 8082 A | CV-33            | Initial       | 16042205-033  | 1029    | WI  | 60525      | 132192           | 04/21/2016 | 04/27/2016 10:44 | 04/29/2016 19:04 |
|               | CV-34            | Initial       | 16042205-034  | 1029    | WI  | 60525      | 132192           | 04/21/2016 | 04/27/2016 10:44 | 04/29/2016 19:32 |
|               | CV-35            | Initial       | 16042205-035  | 1029    | WI  | 60525      | 132192           | 04/21/2016 | 04/27/2016 10:44 | 04/29/2016 19:32 |
|               | CV-36            | Initial       | 16042205-036  | 1029    | WI  | 60525      | 132192           | 04/21/2016 | 04/27/2016 10:44 | 04/29/2016 20:02 |
|               | CV-37            | Initial       | 16042205-037  | 1029    | WI  | 60525      | 132192           | 04/21/2016 | 04/27/2016 10:44 | 04/29/2016 20:02 |
|               | CV-38            | Initial       | 16042205-038  | 1029    | WI  | 60525      | 132192           | 04/21/2016 | 04/27/2016 10:44 | 04/29/2016 20:31 |
|               | CV-39            | Initial       | 16042205-039  | 1029    | WI  | 60525      | 132192           | 04/21/2016 | 04/27/2016 10:44 | 04/29/2016 20:31 |
|               | 60525-1-BKS      | BKS           | 60525-1-BKS   | 1029    | WI  | 60525      | 132192           |            | 04/27/2016 10:44 | 04/29/2016 15:42 |
|               | 60525-1-BLK      | BLK           | 60525-1-BLK   | 1029    | WI  | 60525      | 132192           |            | 04/27/2016 10:44 | 04/29/2016 15:13 |
|               | 60525-1-BSD      | BSD           | 60525-1-BSD   | 1029    | WI  | 60525      | 132192           |            | 04/27/2016 10:44 | 04/29/2016 16:11 |

|  |   | · · · · · · · | 11000                      |                                   |  |
|--|---|---------------|----------------------------|-----------------------------------|--|
| Analytical Method: SW-Seq Number: 1320 PSS Sample ID: 1604   |   | Matrix: Wi    | pes                        | Prep Method<br>Date Prep          |  |
| Surrogate  | %Rec                                      | Flag          | Limits                     | Units                             | Analysis<br>Date   |
| Decachlorobiphenyl<br>Tetrachloro-m-xylene   | 99<br>78                                  |               | 70-130<br>70-130           | %<br>%                            | 04/26/16 23:21<br>04/26/16 23:21                                 |
| Analytical Method: SW-8<br>Seq Number: 1320<br>PSS Sample ID: 1604   |   | Matrix: Wi    | pes                        | Prep Method:<br>Date Prep         |  |
| Surrogate  | %Rec                                      | Flag          | Limits                     | Units                             | Analysis<br>Date   |
| Decachlorobiphenyl<br>Tetrachloro-m-xylene   | 100<br>84                                 |               | 70-130<br>70-130           | %<br>%                            | 04/26/16 23:50<br>04/26/16 23:50                                 |
| Analytical Method: SW-8 Seq Number: 13206 PSS Sample ID: 16043   |   | Matrix: Wip   | pes                        | Prep Method:<br>Date Prep:        |  |
| Surrogate  | %Rec                                      | Flag          | Limits                     | Units                             | Analysis<br>Date   |
| Decachlorobiphenyl<br>Tetrachloro-m-xylene   | 101<br>84                                 |               | 70-130<br>70-130           |                                   | 04/27/16 00:19<br>04/27/16 00:19                                 |
| Analytical Method: SW-8  | 46 8082 A                                 |               |                            | 5                                 | 0.140  |
| Seq Number: 13208<br>PSS Sample ID: 16042  |   | Matrix: Wip   | es                         | Prep Method:<br>Date Prep:        |  |
|  | 82  | Matrix: Wip   | Limits                     |                                   |  |
| PSS Sample ID: 16042   | 82<br>2205-004                            | N             |                            | Date Prep: Units %                | 04/26/2016<br>Analysis   |
| PSS Sample ID: 16042  Surrogate  Decachlorobiphenyl Tetrachloro-m-xylene  Analytical Method: SW-86 Seq Number: 13208 | 82<br>2205-004<br><b>%Rec</b><br>90<br>80 | N             | Limits<br>70-130<br>70-130 | Date Prep: Units %                | 04/26/2016  Analysis Date 04/27/16 00:48 04/27/16 00:48  SW3550C |
| PSS Sample ID: 16042  Surrogate  Decachlorobiphenyl Tetrachloro-m-xylene  Analytical Method: SW-86 Seq Number: 13208 | 82<br>2205-004<br>%Rec<br>90<br>80        | Flag          | Limits<br>70-130<br>70-130 | Date Prep: Units % % Prep Method: | 04/26/2016  Analysis Date 04/27/16 00:48 04/27/16 00:48  SW3550C |

## PHASE SEPARATION SCIENCE, INC.

#### QC Summary 16042205

|  |   |                  | vva     |       |                         |                                     |  |
|--|---|------------------|---------|-------|-------------------------|-------------------------------------|--|
| Analytical Method<br>Seq Number:<br>PSS Sample ID:   | : <b>SW-846 8082 A</b><br>132082<br>16042205-006                        |                  | Matrix: | Wipes |                         | Prep Method<br>Date Prep            |  |
| Surrogate  |   | %Rec             | Flag    |       | Limits                  | Units                               | Analysis<br>Date   |
| Decachlorobipheny<br>Tetrachloro-m-xyler   |   | 87<br>86         |         |       | 70-130<br>70-130        | %<br>%                              | 04/27/16 01:17<br>04/27/16 01:17   |
| Analytical Method:<br>Seq Number:<br>PSS Sample ID:  | SW-846 8082 A<br>132082<br>16042205-007                                 |                  | Matrix: | Wipes |                         | Prep Method<br>Date Prep            |  |
| Surrogate  |   | %Rec             | Flag    |       | Limits                  | Units                               | Analysis<br>Date   |
| Decachlorobiphenyl<br>Tetrachloro-m-xyler  |   | 99<br>87         |         |       | 70-130<br>70-130        | %<br>%                              | 04/27/16 01:17<br>04/27/16 01:17   |
| Analytical Method:<br>Seq Number:<br>PSS Sample ID:  | <b>SW-846 8082 A</b><br>132082<br>16042205-008                          |                  | Matrix: | Wipes |                         | Prep Method<br>Date Prep            |  |
| Surrogate  |   | %Rec             | Flag    |       | Limits                  | Units                               | Analysis<br>Date   |
| Decachlorobiphenyl   |   | 00               |         |       | 70-130                  | %                                   | 04/27/16 01:46   |
| Tetrachloro-m-xylen  |   | 88<br>85         |         |       | 70-130                  | %                                   | 04/27/16 01:46   |
| Analytical Method: Seq Number: PSS Sample ID:  | е   | (43)637          | Matrix: | Wipes | 70-130                  |                                     | 04/27/16 01:46<br>: SW3550C  |
| Analytical Method:<br>Seq Number:  | e<br>SW-846 8082 A<br>132082  | (43)637          | Matrix: | Wipes | 70-130                  | %<br>Prep Method                    | 04/27/16 01:46<br>: SW3550C  |
| Analytical Method:<br>Seq Number:<br>PSS Sample ID:  | <b>SW-846 8082 A</b> 132082 16042205-009                                | 85               |         |       |                         | %<br>Prep Method<br>Date Prep       | 04/27/16 01:46 : SW3550C : 04/26/2016  Analysis                                      |
| Analytical Method:<br>Seq Number:<br>PSS Sample ID:<br>Surrogate   | SW-846 8082 A<br>132082<br>16042205-009                                 | 85<br>%Rec<br>98 |         |       | <b>Limits</b><br>70-130 | % Prep Method Date Prep Units %     | 04/27/16 01:46  : SW3550C : 04/26/2016  Analysis Date  04/27/16 01:46 04/27/16 01:46 |
| Analytical Method: Seq Number: PSS Sample ID: Surrogate Decachlorobiphenyl Tetrachloro-m-xylen  Analytical Method: Seq Number: | sw-846 8082 A<br>132082<br>16042205-009<br>e<br>sw-846 8082 A<br>132082 | 85<br>%Rec<br>98 | Flag    |       | <b>Limits</b><br>70-130 | % Prep Method Date Prep Units % % % | 04/27/16 01:46  : SW3550C : 04/26/2016  Analysis Date  04/27/16 01:46 04/27/16 01:46 |

|   |           | · · · ·   | 31 11000         |                          |                                  |
|---|-----------|-----------|------------------|--------------------------|----------------------------------|
| Analytical Method: SW-846 8082 A Seq Number: 132082 PSS Sample ID: 16042205-011                             |           | Matrix: V | Vipes            | Prep Metho<br>Date Pre   |                                  |
| Surrogate   | %Rec      | Flag      | Limits           | Units                    | Analysis<br>Date                 |
| Decachlorobiphenyl<br>Tetrachloro-m-xylene  | 101<br>80 |           | 70-130<br>70-130 | %<br>%                   | 04/27/16 02:14<br>04/27/16 02:14 |
| Analytical Method: SW-846 8082 A         Seq Number:       132082         PSS Sample ID:       16042205-012 |           | Matrix: V | Vipes            | Prep Metho<br>Date Pre   |                                  |
| Surrogate   | %Rec      | Flag      | Limits           | Units                    | Analysis<br>Date                 |
| Decachlorobiphenyl<br>Tetrachloro-m-xylene  | 91<br>72  |           | 70-130<br>70-130 | %<br>%                   | 04/27/16 02:43<br>04/27/16 02:43 |
| Analytical Method: SW-846 8082 A Seq Number: 132082 PSS Sample ID: 16042205-013                             |           | Matrix: V | /ipes            | Prep Metho<br>Date Pre   |                                  |
| Surrogate   | %Rec      | Flag      | Limits           | Units                    | Analysis<br>Date                 |
| Decachlorobiphenyl<br>Tetrachloro-m-xylene  | 99<br>76  |           | 70-130<br>70-130 | %<br>%                   | 04/27/16 02:43<br>04/27/16 02:43 |
| Analytical Method: SW-846 8082 A         Seq Number:       132082         PSS Sample ID:       16042205-014 |           | Matrix: W | /ipes            | Prep Methoo<br>Date Pre  |                                  |
| Surrogate   | %Rec      | Flag      | Limits           | Units                    | Analysis<br>Date                 |
| Decachlorobiphenyl<br>Tetrachloro-m-xylene  | 90<br>70  |           | 70-130<br>70-130 | %<br>%                   | 04/27/16 03:12<br>04/27/16 03:12 |
| Analytical Method: SW-846 8082 A Seq Number: 132082 PSS Sample ID: 16042205-015                             |           | Matrix: W | /ipes            | Prep Method<br>Date Prep |                                  |
| -   |           |           |                  |                          |                                  |
| Surrogate   | %Rec      | Flag      | Limits           | Units                    | Analysis<br>Date                 |

| Analytical Method: SW-846 8082 A         Seq Number:       132082         PSS Sample ID:       16042205-016 |           | Matrix: Wip  | es               | Prep Meth<br>Date Pr   |                                  |
|---|-----------|--------------|------------------|------------------------|----------------------------------|
| Surrogate   | %Rec      | Flag         | Limits           | Units                  | Analysis<br>Date                 |
| Decachlorobiphenyl<br>Tetrachloro-m-xylene  | 87<br>63  | *            | 70-130<br>70-130 | %<br>%                 | 04/27/16 03:41<br>04/27/16 03:41 |
| Analytical Method: SW-846 8082 A         Seq Number:       132082         PSS Sample ID:       16042205-017 |           | Matrix: Wip  | es               | Prep Metho<br>Date Pro |                                  |
| Surrogate   | %Rec      | Flag         | Limits           | Units                  | Analysis<br>Date                 |
| Decachlorobiphenyl<br>Tetrachloro-m-xylene  | 100<br>82 |              | 70-130<br>70-130 | %<br>%                 | 04/27/16 03:41<br>04/27/16 03:41 |
| Analytical Method: SW-846 8082 A Seq Number: 132082 PSS Sample ID: 16042205-018                             |           | Matrix: Wipe | es               | Prep Metho<br>Date Pre |                                  |
| Surrogate   | %Rec      | Flag         | Limits           | Units                  | Analysis<br>Date                 |
| Decachlorobiphenyl<br>Tetrachloro-m-xylene  | 98<br>88  |              | 70-130<br>70-130 | %<br>%                 | 04/26/16 21:25<br>04/26/16 21:25 |
| Analytical Method: SW-846 8082 A Seq Number: 132082 PSS Sample ID: 16042205-019                             |           | Matrix: Wipe | es               | Prep Metho<br>Date Pre |                                  |
| Surrogate   | %Rec      | Flag         | Limits           | Units                  | Analysis<br>Date                 |
| Decachlorobiphenyl<br>Tetrachloro-m-xylene  | 98<br>67  | *            | 70-130<br>70-130 | %<br>%                 | 04/26/16 21:54<br>04/26/16 21:54 |
| Analytical Method: SW-846 8082 A         Seq Number:       132082         PSS Sample ID:       16042205-020 |           | Matrix: Wipe | es               | Prep Metho<br>Date Pre |                                  |
| Surrogate   | %Rec      | Flag         | Limits           | Units                  | Analysis<br>Date                 |
| Decachlorobiphenyl<br>Tetrachloro-m-xylene  | 100<br>69 | *            | 70-130<br>70-130 | %<br>%                 | 04/26/16 22:23<br>04/26/16 22:23 |

|   |          | vvaite    | or reed          |                            |                                  |
|---|----------|-----------|------------------|----------------------------|----------------------------------|
| Analytical Method:       SW-846 8082 A         Seq Number:       132192         PSS Sample ID:       16042205-021 |          | Matrix: V | Vipes            | Prep Method<br>Date Prep   |                                  |
| Surrogate   | %Rec     | Flag      | Limits           | Units                      | Analysis<br>Date                 |
| Decachlorobiphenyl<br>Tetrachloro-m-xylene  | 98<br>87 |           | 70-130<br>70-130 | %<br>%                     | 04/29/16 15:13<br>04/29/16 15:13 |
| Analytical Method: SW-846 8082 A         Seq Number:       132192         PSS Sample ID:       16042205-022       |          | Matrix: V | Vipes            | Prep Method:<br>Date Prep: |                                  |
| Surrogate   | %Rec     | Flag      | Limits           | Units                      | Analysis<br>Date                 |
| Decachlorobiphenyl<br>Tetrachloro-m-xylene  | 98<br>68 | *         | 70-130<br>70-130 | %<br>%                     | 04/29/16 15:42<br>04/29/16 15:42 |
| Analytical Method: SW-846 8082 A Seq Number: 132192 PSS Sample ID: 16042205-023                                   |          | Matrix: V | Vipes            | Prep Method:<br>Date Prep: |                                  |
| Surrogate   | %Rec     | Flag      | Limits           | Units                      | Analysis<br>Date                 |
| Decachlorobiphenyl<br>Tetrachloro-m-xylene  | 99<br>81 |           | 70-130<br>70-130 | %<br>%                     | 04/29/16 16:11<br>04/29/16 16:11 |
| Analytical Method: SW-846 8082 A Seq Number: 132192 PSS Sample ID: 16042205-024                                   |          | Matrix: V | /ipes            | Prep Method:<br>Date Prep: |                                  |
| Surrogate   | %Rec     | Flag      | Limits           | Units                      | Analysis<br>Date                 |
| Decachlorobiphenyl<br>Tetrachloro-m-xylene  | 90<br>75 |           | 70-130<br>70-130 |                            | 04/29/16 17:08<br>04/29/16 17:08 |
| Analytical Method: SW-846 8082 A Seq Number: 132192 PSS Sample ID: 16042205-025                                   |          | Matrix: W | /ipes            | Prep Method:<br>Date Prep: | SW3550C<br>04/27/2016            |
| Surrogate   | %Rec     | Flag      | Limits           | Units                      | Analysis<br>Date                 |
| Decachlorobiphenyl<br>Tetrachloro-m-xylene  | 98<br>82 |           | 70-130<br>70-130 |                            | 04/29/16 17:08<br>04/29/16 17:08 |

## PHASE SEPARATION SCIENCE, INC.

#### QC Summary 16042205

|   |   |                        |               | itel ite |   |                                       |  |
|---|---|------------------------|---------------|----------|---|---------------------------------------|--|
| Analytical Method:<br>Seq Number:<br>PSS Sample ID:   | : <b>SW-846 8082 A</b><br>132192<br>16042205-026                        |                        | Matrix:       | Wipes    |   | Prep Method<br>Date Prep              |  |
| Surrogate   |   | %Rec                   | Flag          |          | Limits                                      | Units                                 | Analysis<br>Date   |
| Decachlorobiphenyl<br>Tetrachloro-m-xyler   |   | 91<br>74               |               |          | 70-130<br>70-130                            | %<br>%                                | 04/29/16 17:37<br>04/29/16 17:37   |
| Analytical Method:<br>Seq Number:<br>PSS Sample ID:   | <b>SW-846 8082 A</b> 132192 16042205-027                                |                        | Matrix:       | Wipes    |   | Prep Method<br>Date Prep              |  |
| Surrogate   |   | %Rec                   | Flag          |          | Limits                                      | Units                                 | Analysis<br>Date   |
| Decachlorobiphenyl<br>Tetrachloro-m-xylen   |   | 99<br>78               |               |          | 70-130<br>70-130                            | %<br>%                                | 04/29/16 17:37<br>04/29/16 17:37   |
| Analytical Method:<br>Seq Number:<br>PSS Sample ID:   | <b>SW-846 8082 A</b><br>132192<br>16042205-028                          |                        | Matrix:       | Wipes    |   | Prep Method<br>Date Prep              |  |
| 201   |   |                        |               |          |   |                                       |  |
| Surrogate   |   | %Rec                   | Flag          |          | Limits                                      | Units                                 | Analysis<br>Date   |
| Decachlorobiphenyl<br>Tetrachloro-m-xylen   |   | %Rec<br>92<br>72       | Flag          |          | 70-130<br>70-130                            | Units<br>%<br>%                       | Analysis<br>Date<br>04/29/16 18:06<br>04/29/16 18:06   |
| Decachlorobiphenyl  | е   | 92                     | Flag  Matrix: | Wipes    | 70-130                                      | %                                     | Date<br>04/29/16 18:06<br>04/29/16 18:06<br>: SW3550C  |
| Decachlorobiphenyl<br>Tetrachloro-m-xylen  Analytical Method: Seq Number:   | SW-846 8082 A<br>132192   | 92                     |               | Wipes    | 70-130                                      | %<br>%<br>Prep Method                 | Date<br>04/29/16 18:06<br>04/29/16 18:06<br>: SW3550C  |
| Decachlorobiphenyl<br>Tetrachloro-m-xylen  Analytical Method: Seq Number: PSS Sample ID:  | <b>SW-846 8082 A</b><br>132192<br>16042205-029                          | 92<br>72               | Matrix:       | Wipes    | 70-130<br>70-130                            | %<br>%<br>Prep Method<br>Date Prep    | Date 04/29/16 18:06 04/29/16 18:06  : SW3550C : 04/27/2016  Analysis   |
| Decachlorobiphenyl Tetrachloro-m-xylen  Analytical Method: Seq Number: PSS Sample ID: Surrogate  Decachlorobiphenyl Tetrachloro-m-xylen  Analytical Method: Seq Number: | SW-846 8082 A<br>132192<br>16042205-029                                 | 92<br>72<br>%Rec<br>95 | Matrix:       |          | 70-130<br>70-130<br><b>Limits</b><br>70-130 | % % Prep Method Date Prep Units %     | Date  04/29/16 18:06  04/29/16 18:06  : SW3550C : 04/27/2016  Analysis Date  04/29/16 18:06  04/29/16 18:06  : SW3550C |
| Decachlorobiphenyl Tetrachloro-m-xylen  Analytical Method: Seq Number: PSS Sample ID: Surrogate  Decachlorobiphenyl Tetrachloro-m-xylen  Analytical Method: Seq Number: | SW-846 8082 A<br>132192<br>16042205-029<br>e<br>SW-846 8082 A<br>132192 | 92<br>72<br>%Rec<br>95 | Matrix:       |          | 70-130<br>70-130<br><b>Limits</b><br>70-130 | % % Prep Method Date Prep Units % % % | Date  04/29/16 18:06  04/29/16 18:06  : SW3550C : 04/27/2016  Analysis Date  04/29/16 18:06  04/29/16 18:06  : SW3550C |

| Analytical Method<br>Seq Number:<br>PSS Sample ID:  | d: <b>SW-846 8082 A</b><br>132192<br>16042205-031 |           | Matrix:   | Wipes            | Prep Method<br>Date Prep   |   |
|---|---|-----------|-----------|------------------|----------------------------|---|
| Surrogate   |   | %Rec      | Flag      | Limits           | Units                      | Analysis<br>Date                                |
| Decachlorobipheny<br>Tetrachloro-m-xyle             | K   | 101<br>86 |           | 70-130<br>70-130 | %<br>%                     | 04/29/16 18:35<br>04/29/16 18:35                |
| Analytical Method<br>Seq Number:<br>PSS Sample ID:  | 1: <b>SW-846 8082 A</b><br>132192<br>16042205-032 |           | Matrix:   | Wipes            | Prep Method<br>Date Prep   |   |
| Surrogate   |   | %Rec      | Flag      | Limits           | Units                      | Analysis  |
| Decachlorobipheny<br>Tetrachloro-m-xylei            |   | 90<br>72  |           | 70-130<br>70-130 | %<br>%                     | Date<br>04/29/16 19:04<br>04/29/16 19:04        |
| Analytical Method<br>Seq Number:<br>PSS Sample ID:  | : <b>SW-846 8082 A</b><br>132192<br>16042205-033  |           | Matrix:   | Wipes            | Prep Method<br>Date Prep   |   |
| Surrogate   |   | %Rec      | Flag      | Limits           | Units                      | Analysis  |
| Decachlorobipheny<br>Tetrachloro-m-xyler            |   | 102<br>81 |           | 70-130<br>70-130 | %<br>%                     | <b>Date</b><br>04/29/16 19:04<br>04/29/16 19:04 |
| Analytical Method:<br>Seq Number:<br>PSS Sample ID: | SW-846 8082 A<br>132192<br>16042205-034           |           | Matrix:   | Wipes            | Prep Method:<br>Date Prep: |   |
| Surrogate   |   | %Rec      | Flag      | Limits           | Units                      | Analysis<br>Date                                |
| Decachlorobiphenyl<br>Tetrachloro-m-xylen           |   | 91<br>71  |           | 70-130<br>70-130 |                            | 04/29/16 19:32<br>04/29/16 19:32                |
| Analytical Method:<br>Seq Number:<br>PSS Sample ID: | <b>SW-846 8082 A</b><br>132192<br>16042205-035    |           | Matrix: \ | Wipes            | Prep Method:<br>Date Prep: | SW3550C<br>04/27/2016                           |
| Surrogate   |   | %Rec      | Flag      | Limits           | Units                      | Analysis<br>Date                                |
| Decachlorobiphenyl<br>Tetrachloro-m-xylend          | е   | 97<br>71  |           | 70-130<br>70-130 |                            | 04/29/16 19:32<br>04/29/16 19:32                |

### PHASE SEPARATION SCIENCE, INC. QC Summary 16042205

|   |            | vvaite     | i i toca         |                      |                                  |
|---|------------|------------|------------------|----------------------|----------------------------------|
| Analytical Method: SW-846 8082 A         Seq Number:       132192         PSS Sample ID:       16042205-036 |            | Matrix: W  | /ipes            | Prep Met<br>Date F   |                                  |
| Surrogate   | %Rec       | Flag       | Limits           | Units                | Analysis<br>Date                 |
| Decachlorobiphenyl<br>Tetrachloro-m-xylene  | 96<br>82   |            | 70-130<br>70-130 | %<br>%               | 04/29/16 20:02<br>04/29/16 20:02 |
| Analytical Method: SW-846 8082 A Seq Number: 132192 PSS Sample ID: 16042205-037                             |            | Matrix: W  | lipes            | Prep Met<br>Date P   |                                  |
| Surrogate   | %Rec       | Flag       | Limits           | Units                | Analysis<br>Date                 |
| Decachlorobiphenyl<br>Tetrachloro-m-xylene  | 97<br>75   |            | 70-130<br>70-130 | %<br>%               | 04/29/16 20:02<br>04/29/16 20:02 |
| Analytical Method: SW-846 8082 A         Seq Number:       132192         PSS Sample ID:       16042205-038 |            | Matrix: W  | ipes             | Prep Metr<br>Date P  |                                  |
| Surrogate   | %Rec       | Flag       | Limits           | Units                | Analysis<br>Date                 |
| Decachlorobiphenyl<br>Tetrachloro-m-xylene  | 93<br>88   |            | 70-130<br>70-130 | %<br>%               | 04/29/16 20:31<br>04/29/16 20:31 |
| Analytical Method: SW-846 8082 A Seq Number: 132192 PSS Sample ID: 16042205-039                             |            | Matrix: Wi | pes              | Prep Meth<br>Date Pr |                                  |
| Surrogate   | %Rec       | Flag       | Limits           | Units                | Analysis<br>Date                 |
| Decachlorobiphenyl<br>Tetrachloro-m-xylene  | 104<br>100 |            | 70-130<br>70-130 | %<br>%               | 04/29/16 20:31<br>04/29/16 20:31 |
| Analytical Method: SW-846 8082 A Seq Number: 132151 PSS Sample ID: 16042205-040                             |            | Matrix: Wi | pes              | Prep Meth<br>Date Pr |                                  |
|   |            |            |                  |                      |                                  |
| Surrogate   | %Rec       | Flag       | Limits           | Units                | Analysis<br>Date                 |

### PHASE SEPARATION SCIENCE, INC.

### QC Summary 16042205

|  |   |                                |                 | itel Ite | ou                                   |  |   |
|--|---|--------------------------------|-----------------|----------|--------------------------------------|--|---|
| Analytical Method<br>Seq Number:<br>PSS Sample ID:   | : <b>SW-846 8082 A</b><br>132151<br>16042205-041                        |                                | Matrix:         | Wipes    |                                      | Prep Method<br>Date Prep                       |   |
| Surrogate  |   | %Rec                           | Flag            |          | Limits                               | Units  | Analysis<br>Date  |
| Decachlorobipheny<br>Tetrachloro-m-xyler   |   | 106<br>88                      |                 |          | 70-130<br>70-130                     | %<br>%   | 04/28/16 12:29<br>04/28/16 12:29  |
| Analytical Method<br>Seq Number:<br>PSS Sample ID:   | : <b>SW-846 8082 A</b><br>132151<br>16042205-042                        |                                | Matrix:         | Wipes    |                                      | Prep Method<br>Date Prep                       |   |
| Surrogate  |   | %Rec                           | Flag            |          | Limits                               | Units  | Analysis<br>Date  |
| Decachlorobipheny<br>Tetrachloro-m-xyler   |   | 98<br>82                       |                 |          | 70-130<br>70-130                     | %<br>%   | 04/28/16 12:58<br>04/28/16 12:58  |
| Analytical Method:<br>Seq Number:<br>PSS Sample ID:  | SW-846 8082 A<br>132151<br>16042205-043                                 |                                | Matrix:         | Wipes    |                                      | Prep Method<br>Date Prep                       |   |
|  |   |                                |                 |          |                                      |  |   |
| Surrogate  |   | %Rec                           | Flag            |          | Limits                               | Units  | Analysis<br>Date  |
| Surrogate  Decachlorobiphenyl Tetrachloro-m-xyler  |   | %Rec<br>93<br>92               | Flag            |          | 70-130<br>70-130                     | Units<br>%<br>%                                |   |
| Decachlorobiphenyl   | e   | 93                             | Flag  Matrix:   | Wipes    | 70-130                               | %  | Date<br>04/28/16 13:27<br>04/28/16 13:27<br>: SW3550C   |
| Decachlorobiphenyl<br>Tetrachloro-m-xyler<br>Analytical Method:<br>Seq Number:   | sw-846 8082 A<br>132151   | 93                             |                 | Wipes    | 70-130                               | %<br>%<br>Prep Method                          | Date<br>04/28/16 13:27<br>04/28/16 13:27<br>: SW3550C   |
| Decachlorobiphenyl<br>Tetrachloro-m-xyler<br>Analytical Method:<br>Seq Number:<br>PSS Sample ID:   | <b>SW-846 8082 A</b><br>132151<br>16042205-044                          | 93<br>92                       | Matrix:         | Wipes    | 70-130<br>70-130                     | % % Prep Method Date Prep                      | Date 04/28/16 13:27 04/28/16 13:27 : SW3550C : 04/27/2016  Analysis   |
| Decachlorobiphenyl Tetrachloro-m-xyler  Analytical Method: Seq Number: PSS Sample ID: Surrogate Decachlorobiphenyl   | SW-846 8082 A<br>132151<br>16042205-044                                 | 93<br>92<br><b>%Rec</b><br>109 | Matrix:         |          | 70-130<br>70-130<br>Limits<br>70-130 | % % Prep Method Date Prep: Units %             | Date  04/28/16 13:27  04/28/16 13:27  : SW3550C : 04/27/2016  Analysis Date  04/28/16 14:54  04/28/16 14:54 |
| Decachlorobiphenyl Tetrachloro-m-xyler Analytical Method: Seq Number: PSS Sample ID: Surrogate Decachlorobiphenyl Tetrachloro-m-xylen Analytical Method: Seq Number: | sw-846 8082 A<br>132151<br>16042205-044<br>e<br>sw-846 8082 A<br>132151 | 93<br>92<br><b>%Rec</b><br>109 | Matrix:<br>Flag |          | 70-130<br>70-130<br>Limits<br>70-130 | % Prep Method Date Prep Units % % Prep Method: | Date  04/28/16 13:27  04/28/16 13:27  : SW3550C : 04/27/2016  Analysis Date  04/28/16 14:54  04/28/16 14:54 |

### PHASE SEPARATION SCIENCE, INC. QC Summary 16042205

|   |  |             |           | tor itt | ou               |                            |                                  |
|---|--|-------------|-----------|---------|------------------|----------------------------|----------------------------------|
|   | <b>SW-846 8082 A</b><br>132151<br>16042205-046 |             | Matrix:   | Wipes   |                  | Prep Method<br>Date Prep   |                                  |
| Surrogate   |  | %Rec        | Flag      |         | Limits           | Units                      | Analysis<br>Date                 |
| Decachlorobiphenyl<br>Tetrachloro-m-xylene  | e  | 100<br>93   |           |         | 70-130<br>70-130 | %<br>%                     | 04/28/16 16:26<br>04/28/16 16:26 |
|   | <b>SW-846 8082 A</b><br>132151<br>16042205-047 |             | Matrix:   | Wipes   |                  | Prep Method<br>Date Prep   |                                  |
| Surrogate   |  | %Rec        | Flag      |         | Limits           | Units                      | Analysis<br>Date                 |
| Decachlorobiphenyl<br>Tetrachloro-m-xylene  | 3  | 92<br>68    | *         |         | 70-130<br>70-130 | %<br>%                     | 04/28/16 16:26<br>04/28/16 16:26 |
|   | SW-846 8082 A<br>132151<br>16042205-048        |             | Matrix:   | Wipes   |                  | Prep Method:<br>Date Prep: |                                  |
| Surrogate   |  | %Rec        | Flag      |         | Limits           | Units                      | Analysis<br>Date                 |
| Decachlorobiphenyl<br>Tetrachloro-m-xylene  |  | 96<br>90    |           |         | 70-130<br>70-130 | %<br>%                     | 04/28/16 16:55<br>04/28/16 16:55 |
| Section (Co. 1 ) decision accompany to the control of the control | <b>SW-846 8082 A</b><br>32151<br>6042205-049   |             | Matrix:   | Wipes   |                  | Prep Method:<br>Date Prep: |                                  |
| Surrogate   |  | %Rec        | Flag      |         | Limits           | Units                      | Analysis<br>Date                 |
| Decachlorobiphenyl  |  | 110         |           |         | 70-130           | %                          | 04/20/46 46.55                   |
| Tetrachloro-m-xylene  |  | 108         |           |         | 70-130           |                            | 04/28/16 16:55<br>04/28/16 16:55 |
| Analytical Method: S<br>Seq Number: 1   | <b>5W-846 8082 A</b><br>32151<br>6042205-050   | 108         | Matrix: \ |         |                  |                            | 04/28/16 16:55<br>SW3550C        |
| Analytical Method: S<br>Seq Number: 1   | 32151  | 108<br>%Rec | Matrix: \ | Wipes   |                  | %<br>Prep Method:          | 04/28/16 16:55<br>SW3550C        |

### PHASE SEPARATION SCIENCE, INC. QC Summary 16042205

|  |  |            | vvai      | tel ive | cu               |                          |                                  |
|--|--|------------|-----------|---------|------------------|--------------------------|----------------------------------|
|  | <b>SW-846 8082 A</b><br>132151<br>16042205-051 |            | Matrix:   | Wipes   |                  | Prep Metho<br>Date Pre   |                                  |
| Surrogate                                  |  | %Rec       | Flag      |         | Limits           | Units                    | Analysis<br>Date                 |
| Decachlorobiphenyl<br>Tetrachloro-m-xylene | •  | 200<br>80  | *         |         | 70-130<br>70-130 | %<br>%                   | 04/29/16 14:15<br>04/29/16 14:15 |
|  | <b>SW-846 8082 A</b><br>132151<br>16042205-052 |            | Matrix:   | Wipes   |                  | Prep Metho<br>Date Pre   |                                  |
| Surrogate                                  |  | %Rec       | Flag      |         | Limits           | Units                    | Analysis<br>Date                 |
| Decachlorobiphenyl<br>Tetrachloro-m-xylene |  | 192<br>128 | *         |         | 70-130<br>70-130 | %<br>%                   | 04/29/16 14:15<br>04/29/16 14:15 |
|  | <b>6W-846 8082 A</b><br>32151<br>6042205-053   |            | Matrix:   | Wipes   |                  | Prep Method<br>Date Prep |                                  |
| Surrogate                                  |  | %Rec       | Flag      |         | Limits           | Units                    | Analysis<br>Date                 |
| Decachlorobiphenyl<br>Tetrachloro-m-xylene |  | 320<br>160 | *         |         | 70-130<br>70-130 | %<br>%                   | 04/29/16 14:44<br>04/29/16 14:44 |
|  | <b>6W-846 8082 A</b><br>32151<br>6042205-054   |            | Matrix: \ | Nipes   |                  | Prep Method<br>Date Prep |                                  |
| Surrogate                                  |  | %Rec       | Flag      |         | Limits           | Units                    | Analysis<br>Date                 |
| Decachlorobiphenyl<br>Tetrachloro-m-xylene |  | 152<br>116 | *         |         | 70-130<br>70-130 | %<br>%                   | 04/29/16 14:44<br>04/29/16 14:44 |
|  | <b>W-846 8082 A</b><br>32151<br>6042205-055    |            | Matrix: V | Vipes   |                  | Prep Method<br>Date Prep |                                  |
| Surrogate                                  |  | %Rec       | Flag      |         | Limits           | Units                    | Analysis<br>Date                 |
| Decachlorobiphenyl<br>Tetrachloro-m-xylene |  | 92<br>98   |           |         | 70-130<br>70-130 | %<br>%                   | 04/28/16 18:21<br>04/28/16 18:21 |

### PHASE SEPARATION SCIENCE, INC.

### QC Summary 16042205

| Analytical Method<br>Seq Number:<br>PSS Sample ID:  | : <b>SW-846 8082 A</b><br>132151<br>16042205-056 |            |         | Wipes |                  | Prep Method<br>Date Prep | o: 04/27/2016                    |
|---|--|------------|---------|-------|------------------|--------------------------|----------------------------------|
| Surrogate   |  | %Rec       | Flag    |       | Limits           | Units                    | Analysis<br>Date                 |
| Decachlorobipheny<br>Tetrachloro-m-xyler            |  | 70<br>90   |         |       | 70-130<br>70-130 | %<br>%                   | 04/28/16 18:50<br>04/28/16 18:50 |
| Analytical Method<br>Seq Number:<br>PSS Sample ID:  | : <b>SW-846 8082 A</b><br>132151<br>16042205-057 |            | Matrix: | Wipes |                  | Prep Method<br>Date Prep |                                  |
| Surrogate   |  | %Rec       | Flag    |       | Limits           | Units                    | Analysis<br>Date                 |
| Decachlorobipheny<br>Tetrachloro-m-xyler            |  | 101<br>94  |         |       | 70-130<br>70-130 | %<br>%                   | 04/28/16 18:50<br>04/28/16 18:50 |
| Analytical Method:<br>Seq Number:<br>PSS Sample ID: | : <b>SW-846 8082 A</b><br>132151<br>16042205-058 |            | Matrix: | Wipes |                  | Prep Method<br>Date Prep |                                  |
| Surrogate   |  | %Rec       | Flag    |       | Limits           | Units                    | Analysis<br>Date                 |
| Decachlorobiphenyl<br>Tetrachloro-m-xyler           |  | 89<br>96   |         |       | 70-130<br>70-130 | %<br>%                   | 04/28/16 19:19<br>04/28/16 19:19 |
| Analytical Method:<br>Seq Number:<br>PSS Sample ID: | <b>SW-846 8082 A</b><br>132151<br>16042205-059   |            | Matrix: | Wipes |                  | Prep Method<br>Date Prep |                                  |
| Surrogate   |  | %Rec       | Flag    |       | Limits           | Units                    | Analysis<br>Date                 |
| Decachlorobiphenyl<br>Tetrachloro-m-xylen           |  | 116<br>115 |         |       | 70-130<br>70-130 | %<br>%                   | 04/28/16 19:19<br>04/28/16 19:19 |

F = RPD exceeded the laboratory control limits

X = Recovery of MS, MSD or both outside of QC Criteria

H= Recovery of BS,BSD or both exceeded the laboratory control limits
L = Recovery of BS,BSD or both below the laboratory control limits

### PHASE SEPARATION SCIENCE, INC.

### QC Summary 16042205

| Analytical Metho<br>Seq Number:<br>MB Sample Id: | 132082<br>60509-1-BLK                   |                 |               |             | Wipes<br>60509-1- | -BKS         |        |      | ep Meth<br>Date Pr<br>Sampl | rep: 04/ | /3550C<br>26/16<br>509-1-BSD |      |
|--|---|-----------------|---------------|-------------|-------------------|--------------|--------|------|-----------------------------|----------|------------------------------|------|
| Parameter  | MB<br>Result                            | Spike<br>Amount | LCS<br>Result | LCS<br>%Rec | LCSD<br>Result    | LCSD<br>%Rec | Limits | %RPD | RPD<br>Limit                | Units    | Analysis<br>Date             | Flag |
| PCB-1016   | <5.000                                  | 20.00           | 19.24         | 96          | 19.57             | 98           | 70-130 | 2    | 20                          | Ja/100cm | 2 04/26/16 23:50             | í    |
| PCB-1260   | <5.000                                  | 20.00           | 20.99         | 105         | 21.35             | 107          | 70-130 | 2    | 20                          |          | 2 04/26/16 23:50             |      |
| Surrogate  | MB<br>%Rec                              | MB<br>Flag      | 1000          |             | LCS<br>Flag       | LCSI<br>Resu |        |      | mits                        | Units    | Analysis<br>Date             |      |
| Decachlorobiphenyl                               | • |                 | (             | 96          |                   | 98           |        | 70   | -130                        | %        | 04/26/16 23:50               | ١    |
| Tetrachloro-m-xylen                              | e 94                                    |                 | 9             | 91          |                   | 92           |        |      | -130                        | %        | 04/26/16 23:50               |      |

| Analytical Method    | d: SW-846 8082 A |                 |               |             |                |              |        | Pre  | ep Meth      | nod SW    | 3550C                            |      |
|----------------------|------------------|-----------------|---------------|-------------|----------------|--------------|--------|------|--------------|-----------|----------------------------------|------|
| Seq Number:          | 132151           |                 |               | Matrix:     | Wipes          |              |        |      | Date P       |           | 27/16                            |      |
| MB Sample Id:        | 60522-1-BLK      |                 | LCS San       | nple Id:    | 60522-1-       | BKS          |        |      | Sampl        |           | 22-1-BSD                         |      |
| Parameter            | MB<br>Result     | Spike<br>Amount | LCS<br>Result | LCS<br>%Rec | LCSD<br>Result | LCSD<br>%Rec | Limits | %RPD | RPD<br>Limit | Units     | Analysis<br>Date                 | Flag |
| PCB-1016             | <5.000           | 20.00           | 22.49         | 112         | 20.91          | 105          | 70-130 | 7    | 20           | 1a/100cm2 | 2 04/28/16 14:25                 |      |
| PCB-1260             | <5.000           | 20.00           | 24.27         | 121         | 22.76          | 114          | 70-130 | 6    | 20           |           | 04/28/16 14:25<br>04/28/16 14:25 |      |
| Surrogate            | MB<br>%Rec       | MB<br>Flag      |               |             | LCS<br>Flag    | LCS<br>Resu  |        |      | mits         | Units     | Analysis<br>Date                 |      |
| Decachlorobiphenyl   | 110              |                 | 1             | 10          |                | 106          |        | 70   | -130         | %         | 04/28/16 14:25                   |      |
| Tetrachloro-m-xylene | 113              |                 | 1             | 10          |                | 104          |        | 70   | -130         | %         | 04/28/16 14:25                   |      |

| Analytical Method:<br>Seq Number:<br>MB Sample Id: | SW-846 8082 A<br>132192<br>60525-1-BLK |                 |               | Matrix:     | Wipes<br>60525-1 | -BKS         |        |      | ep Meth<br>Date Pi<br>Sampl | rep: 04/2 | 3550C<br>27/16<br>25-1-BSD |      |
|--|--|-----------------|---------------|-------------|------------------|--------------|--------|------|-----------------------------|-----------|----------------------------|------|
| Parameter  | MB<br>Result                           | Spike<br>Amount | LCS<br>Result | LCS<br>%Rec | LCSD<br>Result   | LCSD<br>%Rec | Limits | %RPD | RPD<br>Limit                | Units     | Analysis<br>Date           | Flag |
| PCB-1016   | <5.000                                 | 20.00           | 19.24         | 96          | 19.00            | 95           | 70-130 | 1    | 20                          | Ja/100cm  | 04/29/16 15:42             |      |
| PCB-1260   | <5.000                                 | 20.00           | 20.76         | 104         | 20.51            | 103          | 70-130 | 1    | 20                          |           | 04/29/16 15:42             |      |
| Surrogate  | MB<br>%Rec                             | MB<br>Flag      |               |             | LCS<br>Flag      | LCSI<br>Resu |        |      | mits                        | Units     | Analysis<br>Date           |      |
| Decachlorobiphenyl                                 | 92                                     |                 | 9             | 96          |                  | 93           |        | 70-  | -130                        | %         | 04/29/16 15:42             | 2    |
| Tetrachloro-m-xylene                               | 94                                     |                 | 9             | 93          |                  | 92           |        | 70-  | -130                        | %         | 04/29/16 15:42             | 2    |

F = RPD exceeded the laboratory control limits

X = Recovery of MS, MSD or both outside of QC Criteria
H= Recovery of BS,BSD or both exceeded the laboratory control limits
L = Recovery of BS,BSD or both below the laboratory control limits



## PHASE SEPARATION SCIENCE, INC.

www.phaseonline.comemail: info@phaseonline.com

| *CLIENT: ACE END! 13 D. MANTEL   |                        | *OFFICE LOC. Bullyming, | el Primine,        | ₹                     | PSS Work Order #:               | der #: 110042205 PAGE   | و<br>ه<br>-                |
|--|------------------------|-------------------------|--------------------|-----------------------|---------------------------------|---|----------------------------|
| *PHOJECT MGR: R. Z.K. A. S. S. S. PHONE NO.: (410) 354-8030  | A SWAYPHO              | ONE NO.: (4)            | 3-)324-8           |                       | Matrix Codes:<br>SW=Surface Wtr | Matrix Codes:<br>SW-Surface Witr DW=Drinking Witr GW=Ground Witr WW=Wasle Wir D=011 S=Soil 1=1 inuid SD1 -Solid 4-Air WI-Mine | SOI -Solid &-Air WI-Wine   |
| EMAIL: NCHIC acceptifica yearly. FORNO.  | Ash yeather. Faxt      |                         | _                  |                       | No.                             | Preservatives Vov   |                            |
| *PHOJECT NAME: WA HE DEED  | Kr Aud                 |                         | PROJECT NO.:       |                       | N N                             | Method / Panired / Panired  |                            |
| SITE LOCATION: IN MINISTER X   | X Br                   | P.O.                    | P.O. NO.:          |                       | A COMP                          | Salar Marie   | \                          |
| SAMPLER(S): A LO COMOS NOTE MUSEU. H   | WICK MUSEU. H          | - DW CERT NO.:          | NO.:               |                       | N G=                            | *   |                            |
| LAB NO.  | *SAMPLE IDENTIFICATION | *DATE<br>(SAMPLED)      | *TIME<br>(SAMPLED) | MATRIX<br>(See Codes) | œ so                            |   | REMARKS                    |
| 1-VO   | -                      | 4-2-46                  | 1105               | MI                    | 9                               |   |                            |
| 4-10<br>2  | 4                      | 4-3°-16                 | 1105               | トス                    | 7                               |   |                            |
| 3 023  | 6,                     | 4-20-16                 | 1105               | H                     | ا<br>ا                          | \   |                            |
| 73   | T                      | 4-20-16                 | 1105               | 43                    | -<br>Ø                          |   |                            |
| 2-00   | ١٨                     | 4-2-4                   | 1105               | MH                    | d.<br>_                         | 7   |                            |
| 93   | ٩                      | 91-4-1                  | 1105               | ナシ                    | -                               |   |                            |
|  | 4                      | 4-30-16                 | 1105               | MH                    | 8                               | 7   |                            |
| 8-07-8   | 8                      | シー・オーナ                  | 5911               | H3                    | <b>b</b>                        |   |                            |
| 6-63   | 8-                     | 4-20-16                 | 1105               | H3                    | 9                               | 7   |                            |
| 6,00 CJ  | 01-10                  | 4-20-16                 | 1105               | 43                    | p -                             |   |                            |
| Rejimpdisjed By: (1)   | Date                   | Time                    | Received By:       |                       |                                 | uested TAT (One TAT pe  | 3                          |
| er de  | 5.530 N/ce/h           | 082                     | pley               | Lot                   | 2                               | S-Day 3-Day 2-Day Custody Seal:   | ARS                        |
| Rélinquished By: (2)   | , Date                 | Time                    | Received By:       |                       |                                 | rables Required: Ice Present: JMM CLP LIKE OTHER Chinains Co.   | I V                        |
| Relinquished By: (3)   | Date                   | Time                    | Received By:       |                       |                                 | Special Instructions:   | Client                     |
|  |                        |                         |                    |                       |                                 |   |                            |
| Helinquished By: (4)   | Date                   | Time                    | Received By:       |                       |                                 | DW COMPLIANCE? EDD FORMAT TYPE STATE RESU   | STATE RESULTS REPORTED TO: |
| THE RESIDENCE OF THE PARTY OF T |                        |                         |                    |                       |                                 |   |                            |

The client (Client Name), by signing, or having client's agent sign, this "Sample Chain of Custody/Agreement Form", agrees to pay for the above requested services per the latest version of the Service Brochure or PSS-provided quotation including any and all attorney's or other reasonable fees if collection becomes necessary. \* = REQUIRED 6630 Baltimore National Pike • Route 40 West • Baltimore, Maryland 21228 • (410) 747-8770 • (800) 932-9047 • Fax (410) 788-8723



## PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com email: info@phaseonline.com

|        | *CLIENT: /   | ** ** CLIENT: ARE ENJINAMENTEL               |           | *OFFICE LOC. BA       | A Atmon, AD        | J.                    | PSS Work Order #:               | "der#: 110047205 PAGE 2 OF 6   |  |
|--------|--|--|-----------|-----------------------|--------------------|-----------------------|---------------------------------|--|--|
|        | *PROJECT   | *PROJECT MGR: RICK ROSMUS XEN                |           | *PHONE NO .: (419)    | 1354-8030          | 9030                  | Matrix Codes:<br>SW=Surface Wfr | Matrix Codes:<br>SW=Surface Wir DW=Drinking Wir GW=Ground Wir WW=Waste Wir 0=0il S=Soil L=Liquid SOL=Soild A=Air WI=Wipe |  |
|        | EMAIL: PICK  | EMAIL: FICK COCCECTO : ROJMENTED, WELFAX NO. | , ALLEN N | 0::                   | _                  |                       | C SAMPLE                        | -  |  |
|        | *PHOJECT N   | *PHOJECT NAME: [ J. L. L. L. DOOL            | g         |                       | PROJECT NO.:       |                       |                                 | Regulacy / / / / / / / / / / / / / / / / / / /   |  |
|        | SITE LOCATION:   | ION: WASNING ton, D                          | X         | P.O. NO.:             | <br>VO.:           |                       | A COMP                          | -  |  |
| -      | SAMPLER(S)   | SAMPLER(S): Ala Comer / N. ER Mc Day . It    | 47:14     | DW CERT NO.           | .:<br>O            |                       | N G =                           | * 8  |  |
|        | LAB NO.  | *SAMPLE IDENTIFICATION                       | ATION     | *DATE *TIME (SAMPLED) | *TIME<br>(SAMPLED) | MATRIX<br>(See Codes) | œν                              |  |  |
|        | 1.1  | C12-11                                       |           | 4-2:16                | 1105               | M                     | (F)                             |  | T  |
| Pa     | 77   | <b>で</b>                                     |           | 4-20-16               | 1105               | TW.                   | d.                              |  | T  |
| ge 4   | (3   | CV-13  |           | 4-70-16               | 1400               | NH                    | d-                              |  |  |
| 4 of 4 | 17   | CU-14  |           | 4-20-16               | 1400               | 7                     | <i>ح</i> .                      |  | T  |
| 9      | 1/5  | (2-15  |           | 4-20-16               | Coll               | 43                    | <u>Р</u>                        |  |  |
| -      | 9  | 01-10  |           | 9-2-16                | 1400               | 43                    | <br>P                           |  | T  |
|        | 17   | 41-17  |           | 4-10-16               | 1400               | 정                     | -<br>D                          |  | T  |
|        | 00/  | 67-18  |           | 4-22-16               | 1400               | HM                    | 9                               | 3  | T  |
| ,      | 61   | CV-19  |           | 91-cr-h               | 1400               | F H                   | d.<br>-                         |  | T  |
|        | 202  | CULAO  |           | d1-66-1               | 1400               | 43                    | 9                               |  | T  |
| inal   | Religious (1)  |  | Date,     | Time                  | Received By:       | Jy:                   |                                 | uested TAT (One TAT  | T  |
| 1.000  | 16   | {  | 01/00/    | otes                  | 3                  | イダ                    | ofer                            | Lef 5-Day 3-Day 2-Day Custody Seal: Ar3 S  |  |
| )      | Rélinquished By: (2)   | By: (2)                                      | Date      | Time                  | Received By        | :k                    |                                 | OTHER Shipping Carrier:  |  |
|        | Relinquished By: (3)   | By: (3)                                      | Date      | Time                  | Received By:       | ly:                   |                                 |  |  |
|        | O Post in the last |  |           |                       |                    |                       |                                 |  |  |
|        | neiinquisned by: (4)   | 3y: (4)                                      | Date      | e<br>E                | Received By:       |                       |                                 | DW COMPLIANCE? EDD FORMAT TYPE STATE RESULTS REPORTED TO:  YES   MD DE PA VA WV OTHER                                    | AL SALES OF THE PARTY OF THE PA |
| W W    | 630 Baltimor   | 6630 Baltimore National Pike - Boute 40 West | te 40 We  | et - Raltimore        |                    | ad 91996              | 747 (010)                       |  | 7  |

The client Name), by signing, or having client's agent sign, this "Sample Chain of Custody/Agreement Form", agrees to pay for the above requested services per the latest version of the Service Brochure or PSS-provided quotation including any and all attorney's or other reasonable fees it collection becomes necessary. \* = REQUIRED



## PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com email: info@phaseonline.com

Matrix Codes: SW=Surface Wir DW=Drinking Wir GW=Ground Wir WW=Waste Wir O=Oil S=Soil L=Liquid SOL=Solid A=Air WI=Wipe STATE RESULTS REPORTED TO: Ice Present: Arg S Temp: 17°C OTHER REMARKS ナンシン PP ABS  $\leq \square$ Q ≶□ Shipping Carrier: PAGE Custody Seal: A 🗆 # of Coolers: DW COMPLIANCE? EDD FORMAT TYPE Requested TAT (One TAT per COC)
5-Day 3-Day 2-Day
Next Day Emergency Other OTHER Data Deliverables Required: COA QC SUMM CLP LIKE Special Instructions: F-Day Next Day Analysis/ Penined Method Desc PSS Work Order #: SAMPLE COMP GBAB TYPE cb 6 4 5 S P 5 B P 10 MATRIX (See Codes) 3 3 43 Z F 3 H 3 \*OFFICE LOC. LA F. M. R. ME \*PHONE NO : (410 ) 354 - 8030 Received By: Received By: Received By: Received By: \*TIME (SAMPLED) 58 60 25 60 76 90 Se マット ठराठ 56.00 PROJECT NO.: (400 (400) 00% 4-20-16 1400 DW CERT NO.: P.O. NO.: \*DATE (SAMPLED) 9-1-1 9-14-) 7-56-1 91-2-1 4-14-4 4-11-16 91-14-7 91-14-1 4-71-16 Time OKT Time Time Time EMAIL: PICK PERCENTING MENTILS NOT FAX NO. SITE LOCATION: (NUSHIN IN) DC 2/100/16 SAMPLER(S) ALCA (COORD / N. CKMCDW. ++ \*SAMPLE IDENTIFICATION Date Date \*PROJECT NAME: Nalte Deed \*PROJECT MGR: RICK POLSMUSSIN \*CLIENT: ACE ELY: 154 numbel 8-30 82-3 CU - 23 こうしか 00-NO 36-73 50-39 い・24 S-2 16-10 Relinquished By: (2) Relinquished By: (3) Relinquished By: (4) LAB NO. 92 82 53 4

The client (Client Name), by signing, or having client's agent sign, this "Sample Chain of Custody/Agreement Form", agrees to pay for the above requested services per the latest version of 6630 Baltimore National Pike • Route 40 West • Baltimore, Maryland 21228 • (410) 747-8770 • (800) 932-9047 • Fax (410) 788-8723

the Service Brochure or PSS-provided quotation including any and all attorney's or other reasonable fees if collection becomes necessary. \* = REQUIRED



## PHASE SEPARATION SCIENCE, INC.

www.phaseonline.comemail: info@phaseonline.com

Matrix Codes: SW=Surface Wtr OW=Drinking Wtr GW=Ground Wtr WW=Waste Wtr O=0il S=Soil L=Liquid SOL=Soild A=Air WI=Wipe STATE RESULTS REPORTED TO: DE PA VA WV OTHER Temp: 170C REMARKS Client PP #55 ≩□ Ice Present: AGS 0 7 **S** Shipping Carrier: PAGE Custody Seal: A 🗌 # of Coolers: NO SEL 90 **EDD FORMAT TYPE** Afequested TAT (One TAT per COC)
5-Day 3-Day 2-Day
Next Day Emergency Other OTHER 2042700 Data Deliverables Required: COA QC SUMM CLP LIKE Special Instructions: DW COMPLIANCE? 5-Day YES Arraysis/ Reguined Method Sed (m) PSS Work Order #: SAMPLE COMP GRAB E C 6 9 4 S 3 b P b N H E S MATRIX (See Codes) 3 173 3 3 43 3 3 3 Z 当 \*OFFICE LOC. B. 19- M. A. \*PROJECT MGR: RICK BASMUS CA \*PHONE NO.: (410 )354-803 Received By: Received By: Received By: Received By: \*TIME (SAMPLED) 2450 1200 56.50 5625 5660 1200 1200 PROJECT NO.: 1200 シストローキャマーX 7670 | d1-15-1 SAMPLER(S): Alex Coopes IN CK McDU. ++ DW CENT NO. P.O. NO.: \*DATE (SAMPLED) 9-12-> 4-14-16 9415-1 91-14-1 プレベト 4-71-16 4-21-16 4-11-16 Time 250 Time Time EMAIL: FICKERCEREIJ: MANAHAL, NETFAX NO. 27/10/1 SITE LOCATION: (NO.SMIN 40) DC \*SAMPLE IDENTIFICATION Date Date \*PROJECT NAME: Walter Read \*CLIENT: ACE [=NJ. handel , 27 138 CV-40 20-35 , 39 21-33 74 . 34 1-32 36-76 19-31 Relinquished By: (3) Relinquished By: (2) Relinquished By: (4) LAB NO. 38 37 N

The client (Client Name), by signing, or having client's agent sign, this "Sample Chain of Custody/Agreement Form", agrees to pay for the above requested services per the latest version of the Service Brochure or PSS-provided quotation including any and all attorney's or other reasonable fees if collection becomes necessary. \* = REQUIRED 6630 Baltimore National Pike • Route 40 West • Baltimore, Maryland 21228 • (410) 747-8770 • (800) 932-9047 • Fax (410) 788-8723



## PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com email: info@phaseonline.com

| *CLE     | *CLIENT: HOL ENDINGMUNK!                               | - 1        | *OFFICE LOC. BUIL 14, MOR, MD | 1 Pimon               | AM.                   | PSS Work Order #:               | S022 4091 :# 10  | PAGE S                          | or 6               |
|----------|--|------------|-------------------------------|-----------------------|-----------------------|---------------------------------|--|---------------------------------|--------------------|
| *PRO     | *PROJECT MGR: RICK ROSMUS KIPHONE NO.: (410 ) 354-8-30 | JS SCUTPHC | NE NO.: (4 to                 | 1354-8                | 8                     | Matrix Codes:<br>SW=Surface Wtr | Matrix Codes.<br>SW=Surface Wtr DW=Drinking Wtr GW=Ground Wtr WW=Waste Wtr D=0il S=Soil L=Liquid SQL=Solid A=Air WI=Wine | Wtr 0=0il S=Soil L=Liquid SOL=S | olid A=Air WI=Wine |
| EMAIL    | EMAIL: PRINC ACCESS 1, 100, 100 Met FAX NO.            | wet Fax n  | .01                           | _                     |                       | No.                             | Preservatives<br>Used  | NE NE                           |                    |
| * PHO,   | *PHOJECT NAME: Walter Dad                              | ud         |                               | PROJECT NO.:          |                       | N TYPE                          | Analysis/<br>Metrod<br>Received  |                                 |                    |
| SITEL    | SITE LOCATION: Washing by DC                           | K          | P.O.                          | P.O. NO.:             |                       | A COMP                          | -  | / / / /                         | _                  |
| SAMP     | SAMPLER(S): Ales Congr / N. R. Mc Must                 | 4、四个       | DW CERT NO.                   | VO.:                  |                       | N G =                           | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \  |                                 |                    |
| LAB NO.  | *  | CATION     | *DATE<br>(SAMPLED)            | *DATE *TIME (SAMPLED) | MATRIX<br>(See Codes) | er vo                           |  |                                 | REMARKS            |
| 2        | CV-41  |            | 91-12-h                       | idoo                  | SH                    | F                               | 7  |                                 |                    |
| 25       | (h-V)  |            | 4->1-16                       | _                     | MA                    | d> -                            |  |                                 |                    |
| 23       | CV-43  |            | 4-11-16                       | isoo                  | 3                     | P -                             |  |                                 |                    |
| 3        | アルーハン  |            | 4-11-16                       | ikeo                  | 43                    | 4                               | -  |                                 |                    |
| 3        | (4-45  |            | 91-18-h                       | Iduc                  | 43                    | 6                               | ,  |                                 |                    |
| 20       | CV-46  |            | 4-21-16                       | 1 200                 | ける                    | d.                              |  |                                 |                    |
| 5        | チャラ  | 1          | 4->(-16                       | 1200                  | HR                    | -                               |  |                                 |                    |
| 28       | C/-48  |            | 4-11-16                       |                       | 3                     | ط                               |  |                                 |                    |
| 55       | Blaze-1  |            | かでか                           |                       | MA                    | 4                               |  |                                 |                    |
| 50       | ROJK-2   | _          | 4-2(-16                       | 1                     | WI                    | 1                               | \  |                                 |                    |
| Religi   | Reliminating By: (1)                                   | Date       | Time                          | Received By:          | y:                    |                                 | uested TAT (One TAT p  | C) # of Coolers:                |                    |
| 1        | 1  | 21/2/16    | 130                           | of                    | るから                   | Color                           | S-Day 3-Day 2-Day  | Custody Seal:                   |                    |
| Refinqui | Refinquished By: (2)                                   | Date       | Time                          | Received By:          |                       |                                 | rables Required:<br>JMM CLP LIKE   | Ice Present: Arg S              | Temp: 17°C         |
| Relinqui | Relinquished Bv. (3)                                   | Date       | Time                          | Donoino Du            |                       |                                 |  | Snipping Carner:                | Cliens             |
|          |  | 2          | 2                             | Vecelved D            | ×                     |                                 | Special Instructions:  |                                 |                    |
| Relinqui | Relinquished By: (4)                                   | Date       | Time                          | Received By:          | <u>ن</u> د            |                                 | DW COMPLIANCE? EDD FORMAT TYPE   | PE STATE RESULTS REPORTED TO.   | REPORTED TO:       |
|          |  | -          |                               |                       |                       |                                 |  |                                 | 1                  |

The client (Client Name), by signing, or having client's agent sign, this "Sample Chain of Custody/Agreement Form", agrees to pay for the above requested services per the latest version of the Service Brochure or PSS-provided quotation including any and all attorney's or other reasonable fees if collection becomes necessary. \* = REQUIRED 6630 Baltimore National Pike • Route 40 West • Baltimore, Maryland 21228 • (410) 747-8770 • (800) 932-9047 • Fax (410) 788-8723



## PHASE SEPARATION SCIENCE, INC.

www.phaseonline.comemail: info@phaseonline.com

6630 Baltimore National Pike • Route 40 West • Baltimore, Maryland 21228 • (410) 747-8770 • (800) 932-9047 • Fax (410) 788-8723
The client (Client Name), by signing, or having client's agent sign, this "Sample Chain of Custody/Agreement Form", agrees to pay for the above requested services per the latest version of the Service Brochure or PSS-provided quotation including any and all attorney's or other reasonable fees if collection becomes necessary. \* = REQUIRED



### Phase Separation Science, Inc

### Sample Receipt Checklist

| Work Order #   | 16042205               |                        | Received By       | Amber Confer                 |
|--|------------------------|------------------------|-------------------|------------------------------|
| Client Name  | ACE Environmental      |                        | Date Received     | 04/22/2016 08:55:00 AM       |
| Project Name   | Walter Reed            |                        | Delivered By      | Client                       |
| Disposal Date  | 05/27/2016             |                        | Tracking No       | Not Applicable               |
|  |                        |                        | Logged In By      | Rachel Davis                 |
| Shipping Contai<br>No. of Coolers  | ner(s)<br>1            |                        | Ice               | Absent                       |
| Custody Seal(s)<br>Seal(s) Signed  | COUNTY AND PRODUCT     | N/A<br>N/A             | Temp (deg 0       |                              |
| Documentation  |                        |                        | Sampler Nar       | me Not Provided              |
| COC agrees with sample labels? Chain of Custody  |                        | Yes<br>Yes             | N/A               |                              |
| Sample Container   |                        |                        | Custody Sea       | al(s) Intact? Not Applicable |
| Appropriate for Specified Analysis?  |                        | Yes                    | Seal(s) Sign      | Code                         |
| Intact?<br>Labeled and La  | bels Legible?          | Yes<br>Yes             | ecan(e) engin     | ou, Duide Hot, applicable    |
| Total No. of Samples Received 59   |                        |                        | Total No. of      | Containers Received 59       |
| Preservation   |                        |                        |                   |                              |
| Metals   |                        |                        | (pH<2)            | N/A                          |
| Cyanides<br>Sulfide  |                        |                        | (pH>12)<br>(pH>9) | N/A<br>N/A                   |
| TOC, COD, Phenols  |                        |                        | (pH<2)            | N/A                          |
| TOX, TKN, NH3, Total Phos  |                        |                        | (pH<2)            | N/A                          |
| VOC, BTEX (VOA Vials Rcvd Preserved)   |                        |                        | (pH<2)            | N/A                          |
| Do VOA vials have zero headspace?  |                        |                        |                   | N/A                          |
| 624 VOC (Rcvd at least one unpreserved VOA vi  |                        |                        |                   | N/A                          |
| Comments: (Any "No" response must be detailed in the comments section below.)  |                        |                        |                   |                              |
| For any improper preservation conditions, list sample ID, preservative added (reagent ID number) below as well as documentation of any client notification as well as client instructions. Samples for pH, chlorine and dissolved oxygen should be analyzed as soon as possible, preferably in the field at the time of sampling. Samples which require thermal preservation shall be considered acceptable when received at a temperature above freezing to 6°C. Samples that are hand delivered on the day that they are collected may not meet these criteria but shall be considered acceptable if there is evidence that the chilling process has begun such as arrival on ice. |                        |                        |                   |                              |
| Samples Inspected/Checklist Completed By:  Real A  |                        |                        | d I<br>avis       | Date: 04/22/2016             |
| PN   | M Review and Approval: | NYJ ackso<br>Lynn Jack | sson I            | Date: 04/22/2016             |